



AUTUMN SEED BROCHURE 2024





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DRILL DATES AUTUMN 2024

Variety	Drilling Window	Second Wheat Performance
Skyfall	Mid Oct - End Jan (Latest safe sowing date 7th March)	Good
Crusoe	Mid Sept - End Jan	1st wheat preferred
SY Cheer	Mid Sept - End Jan	1st wheat preferred
KWS Ladum	1st Nov - April	No Data
Nissaba	1st October - April	No Data
KWS Extase	25th Sept - End Jan	1st wheat preferred
KWS Palladium	7th Sept - Mid Feb	Good
Mayflower	1st Sept - End Feb	Good
Bamford	14th Sept - Mid Feb	Good
KWS Zealum	14th Sept - End Jan	Excellent
LG Skyscraper	25th Sept - End Jan	Good
RGT Bairstow	Mid Sept - End Feb	Good
LG Spotlight	25th Sept - End Feb	1st wheat preferred
LG Beowulf	Mid Sept - End Jan	Good
Champion	20th Sept - Mid Feb	Good
KWS Dawsum	7th Sept - End Jan	Good
Gleam	1st Sept - Mid Feb	Excellent
Graham	1st Sept - End Jan	1st wheat preferred
KWS Cranium	Mid Sept - End Jan	Excellent
LG Typhoon	Mid Sept - End Feb	Good

HARVEST 2024

Since last harvest we have purchased two mixers in order to be able to mix small seeds and environmental mixes at Mortimers. Again, focusing on quality, we are purchasing the cleanest straights to add to our mixtures and can create bespoke mixes to suit your exact requirements and soil type. We have created an exciting partnership with Rural Business Services (managed by Linda Bratley), a local, independent business based at Market Weighton who offer complete support on SFI.

We are continuing again this year with our hugely successful independent trials at The Beevers' Farm at Cottam Warren. Luckily the trials were drilled before the weather turned in Autumn, so it will be very interesting to see how the varieties have coped with the extreme weather this year. There will be all of the breeders in the plots as well as end home user analysis and more trade stands.

New varieties to look at this year include KSW Heraclis (KWS Tardis x Pamola), a new 2 row conventional barley which is a candidate variety this year. It has a treated yield in our area of 106% and an untreated yield of 93%. It combines all of the fantastic grain quality and specific weight of its parent, KWS Tardis, but with a higher yield and disease resistance. We have had chance to be involved in the multiplication of this variety a year early and will have some available to sell in Harvest 2024. KWS Heraclis is at the Mortimers crop trails for anybody who is interested.

On the wheats, there is an interesting potential new Group 1 milling wheat, SY Cheer which is new to the recommended list this year, but it is awaiting millers to confirm the rating in November 2024, subject to commercial scale assessments. It yields 1% higher than Skyfall, but has a significantly better untreated yield of 84%, with an 8 for mildew, 7 for yellow rust, 6 for brown rust, 6 for septoria tritici, but is not resistant to OWBM. There is an exciting Group 3 variety called Bamford (Moulton x EW129), which is a big step in terms of yield for this group at 105% of controls for the East region. It has a high untreated yield of 92% with a strong disease package, but does not have OWBM resistance. For feed growers, Limagrain have got a new group 4 hard variety called LG Beowulf, which looks a strong, high yielding variety with good grain quality. Our seed crop has looked fantastic this winter in very challenging conditions. All of these new varieties are available to see at the crop trials for anybody who is interested.

Thank you for your ongoing support and we look forward to doing business in the coming Harvest 2024 season.

From all at Mortimers.



DO YOU KNOW WE SELL SMALL SEEDS?

We sell a full range of grass, game cover and environmental mixes – please get in touch to discuss your requirements.

POPULAR ENVIRONMENTAL MIXES:

Wild Bird Mixes (AB9 / AHL2)

Pollen & Nectar Mixes (AB1 / AHL1)

Legume Fallow Mixes (AB15 / NUM3)

Flower Rich Grass Margins (AB8 / IPM2)



SMALL SEEDS

We have invested in our own small seeds mixer and are now able to mix cover crops and SFI mixes on site which can be tailored to suit your requirements.

We also sell a full range of grass mixtures which can be designed to suit individual farm needs. Please speak to one of the team to discuss.

COVER CROPS

Quick Growth Cover Crop (SAM2):		Non-Brassica Cover Crop (SAM2):		Multi-Species Cover Crop (SAM2):	
Species	%	Species	%	Species	%
Mustard	45	Vetch	37	Crimson Clover	25
Fodder Radish	45	Buckwheat	30	Fodder Radish	18
Phacelia	10	Crimson Clover	22	Mustard	29
Seed Rate (kgs/ha)	12.0	Phacelia	11	Phacelia	15
		Seed Rate (kgs/ha)	13.5	Tillage Radish	12
				Seed Rate (kgs/ha)	20.0

Soil Improver (SAM2):		Rescue Mix:	
Species	%	Species	%
Phacelia	5	Mustard	40
Vetch	80	Interval	40
Mustard	15	Fodder Radish	20
Seed Rate (kgs/ha)	40.0	Seed Rate (kgs/ha)	12.5

COMPANION CROPS



GRASS MIXES



GAME COVER



MORTIMERS COMMERCIAL CLEANING

Our plant and colour sorter can undertake commercial cleaning of crops. We can clean ergot out of milling wheat, barley out of milling wheat, fusarium out of malting barley and the general cleaning up of wheat.

The Optical (Colour) Sorter



If in future you need to clean up an otherwise valuable crop please get in touch.

ABOUT US

Mortimers are independent grain, seed and fertiliser merchants in Driffield, East Yorkshire who produce the highest quality seed at their new production facility. The state of the art plant, built in 2014, has been further enhanced in 2021, with the installation of a new large treater, a precleaner and an optical (colour) sorter. This ensures the best possible cleaning and accurate chemical application of all cereals and pulses and Mortimers offer a service for both certified and farm saved seed.

FARM SAVED SEED

Included in the farm saved seed service is an option to haul your tonnage to and from our plant. Alternatively, we can arrange for your grain to be collected and brought back to farm. We can also test seed for germination and TGW. If a Glyphosate type product has been used, a full grow-on test would be required. Collection of any BSPB royalty is typically undertaken by us and paid over on your behalf. Alternatively, you are free to pay royalty on a hectare basis. Full guidance is available on request.

We have our own on site weighbridge: farm saved seed will be weighed in and screenings will be credited with their feed value at the time. Our emphasis is on quality when cleaning and treating your farm saved seed. Our Cimbria seed cleaning equipment and optical sorter ensures the seed is cleaned to the highest standard, and accurate chemical application through the Bayer Evolution seed treatment applicator, results in the best possible start to your crop.

CERTIFIED SEED

Certified Seed wherever possible will be selected from one of our own local quality growers. Our staff regularly inspect the growing crops to ensure they are grown to the highest standard and in the best possible conditions. Once harvested, we undertake full germination, purity and screening tests on all lots. During intake, the seed is checked again before it is allowed to tip.

Once cleaned, a representative sample is taken to an Official Seed Testing Station for a germination and purity test. We are always competitive on price and service. While it is impossible to stock every variety, we will be very pleased to offer impartial advice on varietal selection and chemical applications.



MORTIMERS LIVESTOCK NUTRITION

Mortimers are now offering livestock feed in partnership with Dugdale Nutrition. From pellets, nuts, rolls and blends to mill and mix additives, all of our livestock products will come from Dugdale Nutrition.

Dugdales are a 6th generation family run company with a very similar approach to Mortimers with their own fleet of 26 wagons, a strong technical and nutritionist team and a focus on quality product that delivers a measurable improvement on farm. Bulk blower wagon deliveries are within three days of order with further options of 25kg and 1t bags. Some 25kg stock is available from Driffield.

Please contact the office for details of our Lamb, Sheep, Calf and Beef feeds and prices.

THE FORGOTTEN WHEAT DISEASES

Why do we use seed treatments?



BUNT

Higher risk in farm saved seed repeatedly sown without a SPD



SEPTORIA SEEDLING BLIGHT

Reduces plant establishment



ERGOT

Risk to health and grain rejections



LOOSE SMUT

Higher risk sowing untreated seed



MICRODOCHMIUM NIVALE

Causes significant reduction in crop establishment

THE FORGOTTEN BARLEY DISEASES

Why do we use seed treatments?



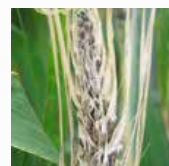
LOOSE SMUT

Higher risk from growing repeatedly farm saved, untreated seed



ERGOT

Risk to health and grain rejections



COVERED SMUT

Higher risk from growing repeatedly farm saved, untreated seed



LEAF STRIPE

Can build up rapidly in repeatedly home-saved seed



MICRODOCHMIUM NIVALE

Causes significant reduction in crop establishment

OUR TOP TIPS FOR WINTER BARLEY VARIETY SELECTION THIS AUTUMN...

TOP YIELDERS

LG Caravelle
KWS Tardis

CONSISTENT PERFORMERS...

KWS Tardis
KWS Cassia

EXCITING OPPORTUNITY FOR MALTING BARLEY GROWERS!

SY Vessel

The first dual purpose Non-GN winter malting barley with strong interest from maltsters.

NEW VARIETY TO TRY THIS YEAR

KWS Heraclis

THE FARMERS FRIEND'S OF THE WINTER BARLEY VARIETIES...

KWS Cassia
Bold grain
Good straw quality.

MARKET LEADERS FROM AUTUMN 2023

KWS Tardis
SY Kingsbarn

OUR PICK OF THE HYBRIDS FOR AUTUMN 2024

SY Canyon
KWS Inys



WINTER BARLEY

AHDB RECOMMENDED LISTS

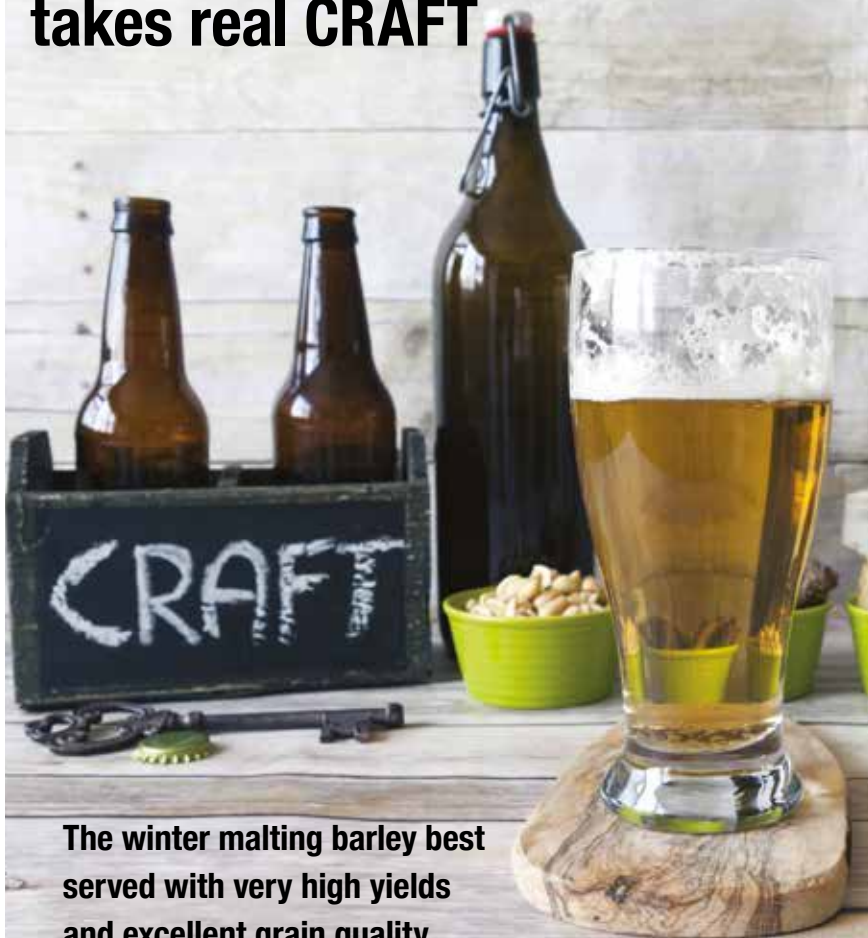
Winter barley 2024/25

AHDB RECOMMENDED

End-use group	Two-row malting			Buccaneer [#]	Electrum	Craft	LG Caravelle	LG Capitoli	Lightning	Bolivia	KWS Tardis	Bolton	Bordeaux
Fungicide-treated grain yield (% treated control)													
United Kingdom (9.8 t/ha)	99	96	93				106	106	103	103	103	103	102
East region (9.5 t/ha)	100	96	93				107	107	104	104	104	105	104
Untreated grain yield (% treated control)													
United Kingdom (9.8 t/ha)	87	80	80				90	89	90	88	85	86	82
Disease resistance													
Mildew (1–9)	6	6	6				7	6	6	8	5	6	6
Brown rust (1–9)	8	7	7				7	7	8	8	6	7	6
Rhynchosporium (1–9)	7	5	6				6	6	6	6	6	5	4
Net blotch (1–9)	6	5	5				6	5	6	6	6	5	5
BaYMV1 & BaMMV	R	R	R				R	R	R	R	R	R	R
BaYMV2	+	+	+				+	+	+	+	+	+	+
Agronomic features													
Resistance to lodging without PGR (1–9)	[7]	7	8				[8]	[7]	6	[8]	8	8	8
Resistance to lodging with PGR (1–9)	7	7	8				7	7	6	8	8	8	8
Lodging without PGR (%)	[6]	4	2				[2]	[3]	15	[2]	1	1	1
Lodging with PGR (%)	3	3	1				2	2	5	1	0	1	1
Straw length without PGR (cm)	100	102	99				93	[94]	95	93	97	95	95
Straw length with PGR (cm)	91	92	91				86	85	89	90	86	84	85
Brackling (%)	4	9	10				8	11	13	15	6	8	9
Ripening (days +/- KWS Orwell)	+1	-1	0				0	0	-1	0	0	0	0
Main market options													
MBC malting approval for brewing use	P	F	F				+	+	+	+	+	+	+
Grain quality													
Specific weight (kg/hl)	69.6	69.7	69.9				71.4	69.9	68.8	69.9	70.1	69.3	70.5
Screenings (% through 2.25 mm)	2.2	2.4	2.3				1.7	1.9	1.9	1.3	1.7	1.6	1.3
Screenings (% through 2.5 mm)	6.4	6.8	6.8				4.5	5.2	5.4	3.3	5.2	4.8	3.7
Nitrogen content (%)	1.68	1.71	1.68				+	+	+	+	+	+	+
Soil type (about 50% of trials are medium soils)													
Light soils (9.7 t/ha)	98	96	94				103	[104]	103	104	102	103	102
Heavy soils (9.4 t/ha)	98	96	93				106	[109]	103	103	106	104	104
Breeder/UK contact													
Breeder	Sej	SyP	SyP				LimEur	Lim	Ack	NS	KWS	Ack	NS
UK contact	SU	Syn	Syn				Lim	Lim	ElsAck	Agr	KWS	ElsAck	Sen
Status in RL system													
Year first listed	23	18	16				23	24	22	23	21	21	21

LG Mountain	LG Dazzle	KWS Orwell	Valerie	Sy Thunierbolt [#]	Sy Kingsbarn [#]	Bazooka [#]	Sy Buzzard [#]	KWS Feers	Average LSD (5%)
Six-row feed									
101	101	100	99	107	107	104	103	102	2.5
102	103	99	99	106	106	104	104	102	3.2
84	88	83	74	88	83	83	82	84	4.3
6	5	3	7	7	7	5	6	5	1.3
7	8	7	4	6	5	5	6	6	0.7
5	7	6	6	7	7	7	6	6	1.1
4	5	5	5	6	5	5	7	6	0.8
R	R	R	R	R	R	R	R	R	-
+	+	+	R	+	+	+	+	+	-
7	7	8	8	5	6	6	[8]	8	1.4
7	7	8	8	6	7	6	7	7	1.1
5	4	2	2	25	15	11	[1]	2	-
3	3	1	1	8	4	5	2	3	-
94	95	96	95	115	116	120	[115]	102	3.7
85	86	87	87	107	106	111	107	97	2.3
27	7	8	8	18	16	14	10	12	-
-1	+1	0	-1	-1	0	0	-1	0	1.1
+	+	+	+	+	+	+	+	+	-
70.7	68.9	68.9	70.6	70.2	70.2	69.9	69.0	69.2	0.8
1.9	2.0	1.7	0.8	2.0	1.5	2.6	3.2	1.4	0.7
5.7	5.9	5.4	2.1	7.2	5.5	8.3	13.1	5.6	1.8
+	+	+	+	+	+	+	+	+	0.11
102	102	99	100	106	107	106	[101]	101	4.3
101	102	100	[100]	105	103	103	[100]	102	5.7
LimEur	Lim	KWS	Bre	SyP	SyP	SyP	SCP	KWS	-
Lim	Lim	KWS	Sen	Syn	Syn	Syn	Syn	KWS	-
19	22	16	19	21	19	16	24	22	-

Brewing fine quality ale takes real CRAFT



The winter malting barley best
served with very high yields
and excellent grain quality



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BARLEY

WINTER BARLEY – MALTING

CRAFT (SY 208-56 X SY VENTURE)

Craft remains a popular winter malting variety with strong demand from maltsters over the last few years.

We are starting to see a shift in demand from local maltsters to SY Vessel due to its ability to brew and distill.

Many growers achieve very good yields with Craft despite its official yield figures reading lower than many other 2-row varieties.

If you are a regular winter malting barley grower, please speak to us to discuss the best option for you this autumn to maximise marketing opportunities.

		REGION	YIELD
Mildew	6	UK	93
Brown Rust	7	EAST	93
Rhynchosporium	6	WEST	93
Net blotch	5	NORTH	93
Resistance to lodging (+PGR/-PGR)	8/8	Untreated yield	80
Straw Height (+PGR/-PGR)	91/99	Light soils	94
Specific Weight (kg/hl)	69.9	Heavy soils	93
Maturity	-2 -1 0 1 2		

WINTER BARLEY – MALTING

SY VESSEL

SY Vessel is a specialist winter malting barley which has seen a surge in demand from maltsters over the last 2 years due to its ability to both brew and distill with many end users now buying SY Vessel malt.

SY Vessel attracts a larger premium than Craft - many regular winter malting barley growers supplying local maltsters have SY Vessel in the ground for harvest 2024.

Comparable disease package to Craft - needs watching for Rhynchosporium and Ramularia later in the season.

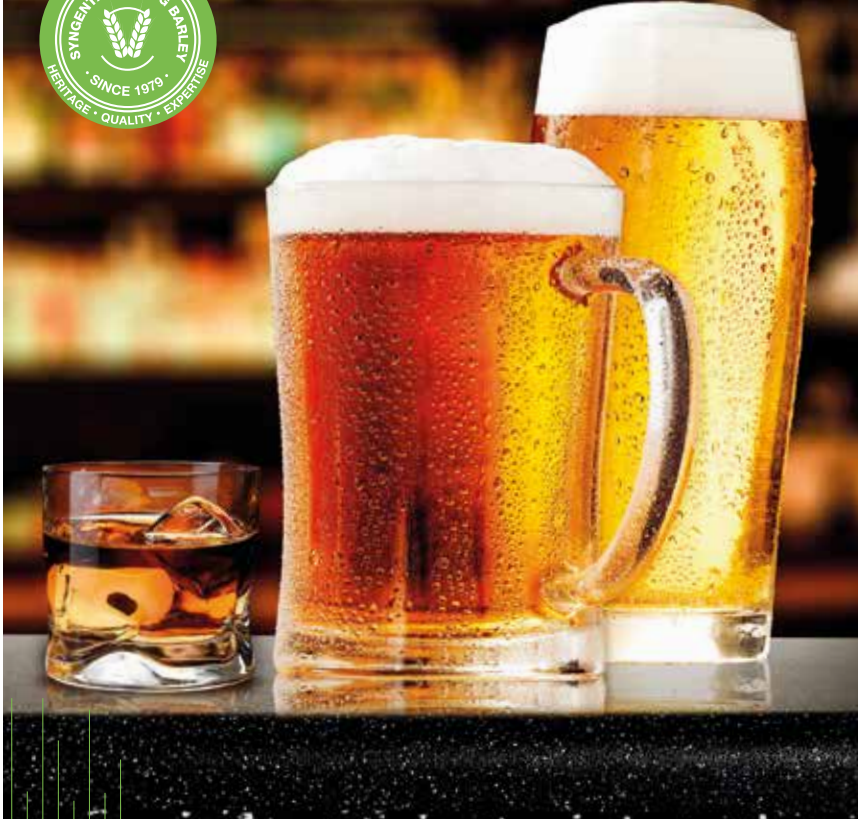

Mildew	Moderately Resistant
Brown Rust	Moderately Resistant
Rhynchosporium	Moderately Susceptible
Net blotch	Moderately Susceptible
Height (cm)	85
Lodging Treated (%)	3.5
Brackling Treated (%)	16.2
Specific Weight (kg/hl)	70.8
Maturity	-2 -1 0 1 2


We have several customers that have grown both Craft and SY Vessel over the last 2 seasons - the yield of SY Vessel was comparable to that of Craft and they are now growing 100% SY Vessel.


BARLEY

SY VESSEL

The flexible winter malt variety with multiple end-use options



**SY Vessel**
Winter barley



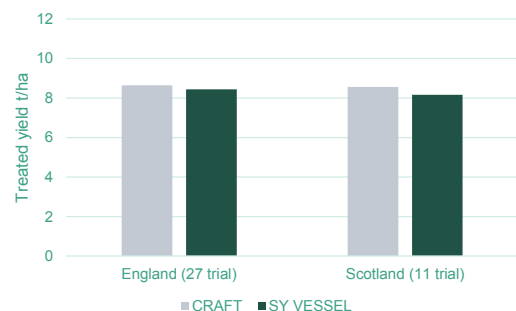
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Non-GN winter malting barley with suitability for malt distilling

KEY FACTS:

- Provisional Special Use MBC approval for Malt Distilling with further suitability for Brewing
- Competitive yields with high specific weight
- Good agronomic package
- Ability to meet specification for both key end use markets
- Contracts available for H'2024
- Full UK National Listing



YIELD

SY VESSEL has competitive yields similar to CRAFT, and has shown consistency across the whole of the UK

Source: SYNGENTA trials 2017-2023 (England) 2020-2023 (Scotland)

GRAIN QUALITY

SY VESSEL has high specific weight and screenings comparable to CRAFT and ELECTRUM

	Specific weight (kg/hl)	Nitrogen content (%)	Screenings (% through 2.2mm)	Screenings (% through 2.5mm)	HWE
SY VESSEL	70.8	1.74	0.41	4.7	311.8
ELECTRUM	70.1	1.73	0.45	4.5	309.6
CRAFT	69.4	1.73	0.41	4.5	308.2

Source: SYNGENTA trials (grain quality 2017-2023, HWE 2018-21)

LG CARAVELLE (LGBU11-5493-B x KWS MOSELLE)

New to the market last autumn, LG Caravelle remains the highest yielding feed barley on the market with particularly good performance in the East.

Excellent grain quality and disease package.

LG Caravelle is a great barn filler, offering growers a low risk, high yielding feed barley.

For those growing the likes of KWS Tardis, it might worth trying some LG Caravelle alongside it on farm this autumn.

		REGION	YIELD
Mildew	7	UK	106
Brown Rust	7	EAST	107
Rhynchosporium	6	WEST	105
Net blotch	6	NORTH	104
Resistance to lodging (+PGR/-PGR)	7/8	Untreated yield	90
Straw Height (+PGR/-PGR)	86/93	Light soils	103
Specific Weight (kg/hl)	71.4	Heavy soils	106
Maturity	-2 -1 0 1 2		



syngenta®

WINTER BARLEY CHOICE MADE EASY

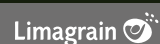


LG CARAVELLE WINTER BARLEY

- Highest yielding 2-row winter barley on the 24/25 RL
- Robust disease resistance package
- Excellent specific weight



lgseeds.co.uk/lg-caravelle



WINTER BARLEY FEED – 2 ROW CONVENTIONAL

KWS TARDIS - (11-12 X KWS ORWELL)

New to the market last autumn, KWS Tardis is a very high yielding feed variety.

KWS Tardis had 39% of the conventional feed barley market in autumn 2023.

Excellent grain quality, stiff strawed and good agronomics - KWS Tardis is a step on for the traditional KWS Cassia and KWS Orwell growers.

		REGION	YIELD
Mildew	5	UK	103
Brown Rust	6	EAST	105
Rhynchosporium	6	WEST	104
Net blotch	5	NORTH	102
Resistance to lodging (+PGR)	8	Untreated yield	89
Straw Height (+PGR)	85.0	Light soils	102
Specific Weight (kg/hl)	70.6	Heavy soils	107
Maturity	-2 -1 0 1 2		

We had some excellent KWS Tardis samples through the lab last harvest. We received some good feedback from growers who had KWS Tardis on the farm last season.

Big on **yield** and
quality!

TARDIS

KWS TARDIS

- Exceptional yield across the UK combined with very high specific weight
- Outstanding yields in the east and on heavy land
- Super stiff straw – the only winter barley on the 2023/24 RL with twin 8s for standing



www.kws-uk.com

SEEDING
THE FUTURE
SINCE 1856



WINTER BARLEY FEED – 2 ROW CONVENTIONAL

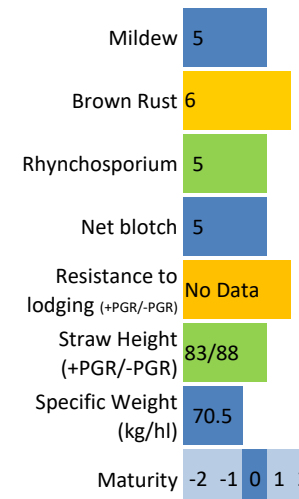
KWS HERACLIS (KWS TARDIS X PALOMA)

KWS Heraclis is a NEW candidate variety from KWS this autumn, offering a yield advantage over KWS Tardis and high untreated yield.

Excellent performance in the East and North.

Very stiff strawed with good resistance to lodging and brackling.

Seed supply of KWS Heraclis is limited this autumn so please let us know if you are interested in some.



REGION	YIELD
UK	105
EAST	106
WEST	[103]
NORTH	[107]
Untreated yield	93

WINTER BARLEY FEED – 2 ROW CONVENTIONAL

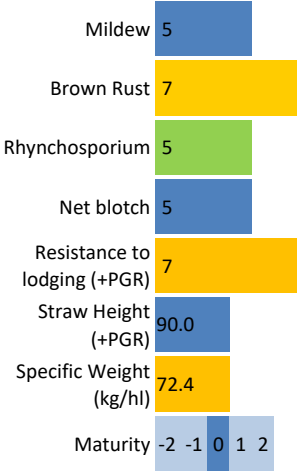
KWS CASSIA (EDEN X CARAT) X SAFFRON)

Despite being on the market since 2010, KWS Cassia continues to have a very loyal following on farm due to its consistent yields, bold grain and low screenings.

Very popular variety for those milling on farm.

Good quality straw and solid disease package.

KWS Cassia seed supply is limited - please let us know if you would like some this autumn.



WINTER BARLEY – HYBRID

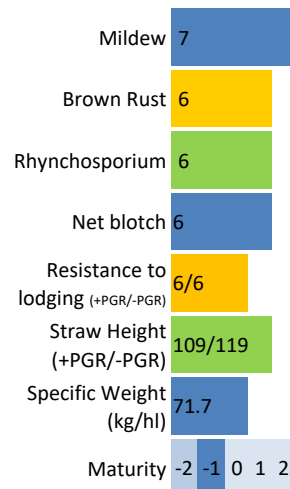
SY CANYON - HYBRID

SY Canyon was a new hybrid to the market for autumn 2022 which Mortimers have exclusive access to.

It is very high yielding with the best grain quality of all the hybrid varieties with a specific weight of 71.1 kg/hl.

SY Canyon has a high untreated yield of 91% and is better on brackling than other hybrids.

SY Canyon performs particularly well on lighter soils.



REGION	YIELD
UK	106
EAST	105
WEST	106
NORTH	106
Untreated yield	91
Light soils	107
Heavy soils	102

SY CANYON

HYBRID BARLEY

SUPERIOR GRAIN QUALITY

and disease resistance all in one variety

SY Canyon

Hyvido®

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Email: product.technical_enquiries@syngenta.com Website: www.syngenta.co.uk

WINTER BARLEY – HYBRID

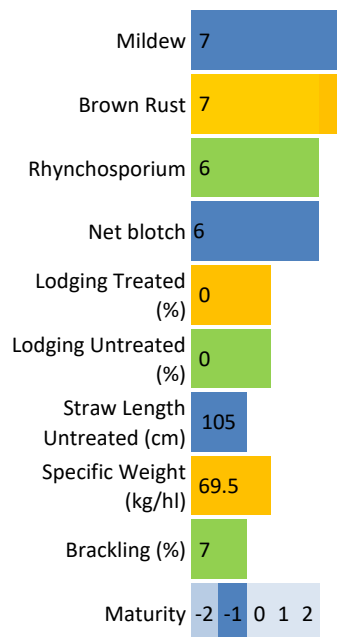
INYS - HYBRID

Inys is the first hybrid barley from KWS with a small amount available for autumn 2024.

It offers a step up in yield from current hybrid varieties on the market as well as a better untreated yield of 93% with a good disease package.

The competitive growth habit of the hybrid barleys, particularly in the spring, helps to smother blackgrass plants to reduce seeds heads and therefore a lower seed return.

Limited seed availability for autumn 2024.



Introducing our first hybrid barley

INYS

INYS

Hybrid 6 Row Winter Barley - Feed

- Excellent yields in all regions of the UK
- Very high untreated yields ([93]%)*
- Low brackling and lodging



*INYS is a RL candidate variety - all data taken from Winter barley NL 2-year report 2022-2023

www.kws-uk.com

**SEEDING
THE FUTURE**
SINCE 1856



OUR TOP TIPS FOR WINTER WHEAT VARIETY SELECTION THIS AUTUMN....

CHOOSING VARIETIES TO SPREAD HARVEST WORKLOAD

Early to harvest:

KWS Extase
KWS Palladium
Graham
Mayflower

Later to harvest:

KWS Cranium
KWS Zealum
LG Beowulf

WHICH VARIETIES CAN I DRILL FROM EARLY SEPTEMBER?

Graham
KWS Dawsum
Gleam
KWS Palladium

GOOD 2ND WHEAT OPTIONS:

LG Skyscraper
Gleam
KWS Cranium
KWS Palladium
LG Typhoon
Champion
KWS Zealum
LG Typhoon

WHICH VARIETIES GIVE ME THE MOST FLEXIBILITY FOR LATE DRILLING?

Skyfall
LG Astronomer
LG Illuminate
LG Spotlight
LG Typhoon
KWS Cranium
Gleam
RGT Bairstow
Champion
Nissaba

TOP PICKS FOR FEED VARIETIES WITH EXCELLENT GRAIN QUALITY

Costello
LG Spotlight
KWS Dawsum

WHICH NEW VARIETIES SHOULD I TRY THIS AUTUMN?

Bamford

A NEW high yielding Group 3 with a very high untreated yield and a good spec weight.

LG Beowulf

A NEW high yielding Group 4 hard. It has a high untreated yield and OWSM resistance. It is an excellent second wheat.

WHICH VARIETIES OFFER ME THE BEST GENETIC DISEASE RESISTANCE?

KWS Extase
KWS Palladium
Champion
Graham
Mayflower
Bamford
LG Beowulf

TOP YIELDERS:

Champion
LG Beowulf
Bamford

WINTER WHEAT



Winter wheat 2024/25



End-use group	UKFM Group 1				UKFM Group 2				UKFM Group 3				LG Redweld
Fungicide-treated grain yield (% treated control)													
United Kingdom (11.0 t/ha)	99	97	96	95	101	100	97		106	100	100	99	106
East region (10.9 t/ha)	98	97	96	95	101	99	97		105	101	100	98	105
Untreated grain yield (% treated control)													
United Kingdom (11.0 t/ha)	71	84	66	75	93	90	91		92	83	80	78	89
Disease resistance													
Mildew (1-9)	7	[8]	6	7	7	8	7		[6]	7	7	3	6
Yellow rust (1-9)	3	7	3	8	7	9	9		7	7	9	8	7
Yellow rust (young plant)	8	-	8	8	8	7	7		-	8	8	7	8
Brown rust (1-9)	7	6	9	3	6	5	6		6	5	5	5	7
Septoria tritici (1-9)	6.3	6.0	5.8	6.3	7.4	7.3	8.9		6.7	5.5	5.7	6.1	6.5
Eyespot (1-9)	6@	4	6@	5	4	6	5@		6@	6@	5	5	4
Fusarium ear blight (1-9)	6	[7]	7	7	6	6	6		[5]	6	6	7	6
Orange wheat blossom midge	-	-	R	-	-	-	-		-	-	R	R	R
Agronomic features													
Resistance to lodging without PGR (1-9)	8	8	8	7	7	8	6		7	8	8	6	5
Resistance to lodging with PGR (1-9)	8	7	7	8	8	8	7		7	8	7	7	9
Lodging without PGR (%)	1	1	1	2	3	2	6		3	1	2	6	22
Lodging with PGR (%)	1	3	3	2	2	2	4		4	1	4	2	25
Straw length without PGR (cm)	86	91	87	84	92	85	90		90	84	93	86	95
Straw length with PGR (cm)	76	82	78	77	86	78	83		83	78	85	80	88
Ripening (days +/- Skyfall)	0	+1	0	+1	-1	-1	0		+1	+2	+2	+3	+2
Resistance to sprouting (1-9)	6	-	5	6	6	[6]	[6]		-	[5]	[6]	[6]	[7]
Grain quality													
Endosperm texture	Hard	Hard	Hard	Hard	Hard	Hard	Hard		Soft	Soft	Soft	Soft	Soft
Protein content (%)	11.7	11.8	11.8	12.3	11.5	11.4	11.6		10.9	11.1	11.0	10.8	11.1
Protein content (%) – milling spec	12.5	13.0	12.9	13.2	12.3	12.2	12.5		11.6	12.1	11.8	12.0	12.2
Hagberg Falling Number	248	299	285	285	283	305	294		239	248	260	221	232
Specific weight (kg/hl)	78.3	79.5	79.1	78.3	79.1	77.6	79.1		78.5	75.4	78.0	77.1	78.1
Chopin Aleograph W	-	[275]	266	243	203	[186]	207		103	105	[76]	98	88
Chopin Aleograph P/L	-	[1.6]	1.0	0.6	0.7	[0.6]	0.8		0.5	0.4	[0.3]	0.3	0.3
Annual treated yield (% control)													
2019 (11.6 t/ha)	96	-	95	97	100	100	98		-	99	99	-	100
2020 (10.4 t/ha)	97	-	95	94	99	[100]	[96]		-	[101]	[102]	-	[108]
2021 (11.0 t/ha)	99	97	97	95	101	98	95		104	98	98	100	97
2022 (11.7 t/ha)	100	98	96	94	102	100	97		106	101	100	98	97
2023 (10.0 t/ha)	99	96	98	96	101	100	97		106	99	99	97	105
Rotational position													
First cereal (11.3 t/ha)	98	97	96	96	101	100	97		105	100	100	99	98
Second and more (10.2 t/ha)	98	95	97	94	101	99	98		106	100	100	98	97
Sowing date (most trials were sown in October)													
Early sown (before 25 Sept) (11.4 t/ha)	[100]	[97]	96	[98]	101	[99]	101		[104]	[100]	100	[98]	101
Late sown (after 1 Nov) (9.5 t/ha)	97	[100]	97	94	101	98	94		[105]	[102]	101	[96]	97
Latest safe-sowing date	End Jan	[End Jan]	End Feb	End Jan	End Jan	End Jan	End Jan		[End Jan]	[End Jan]	Mid Feb	End Jan	End Jan
Soil type (about 50% of trials are on medium soils)	97	[96]	96	93	101	99	96		[105]	100	99	99	100
Light soils (10.7 t/ha)	99	97	96	96	101	99	97		106	100	99	98	105
Heavy soils (11.4 t/ha)													
Breeder/UK contact													
Breeder	KWS	SCP	RAGT	Lim	Mom	KWS	ElisW		ElisW	R2n	KWS	RAGT	KWS
UK contact	KWS	Syn	RAGT	Lim	KWS	KWS	Elis		Elis	RAGT	KWS	RAGT	Sen
Status in RL system													
Year first listed	17	24	14	12	19	22	22		24	23	22	22	21

Blackstone	KWS Zetum	RGT Blaisbow	LG Synergiser	RGT Stokes	Swallow	LG Bonwell	Champion	SV Healer	Osford	KWS Dawson	Glam	Gallam	KWS Canham	LG Typhoon	RGT Wolverine	Coastal	Average LSD (5%)	
Soft Group 4						Hard Group 4												
103	102	102	102	101	96	106	106	104	104	103	103	102	102	100	99	98	2.3	
103	103	102	103	100	96	106	106	104	104	103	103	101	102	100	99	99	2.7	
87	84	84	83	83	76	91	90	79	88	91	80	89	79	89	72	83	4.8	
[7]	7	6	7	6	6	[6]	7	7	5	8	6	6	5	7	6	8	1.5	
9	9	8	7	7	7	9	8	4	8	9	5	7	9	9	4	9	0.6	
-	7	8	7	7	7	-	7	8	7	7	8	8	7	7	8	7	-	
6	5	6	5	5	5	5	5	6	6	7	6	5	4	6	7	5	0.6	
6.2	6.1	5.9	4.9	6.0	5.1	6.7	7.9	6.4	6.6	6.3	5.7	6.6	5.8	7.2	6.0	5.8	0.7	
5	5	4	5	4	4	6	4	5	5	5	5	4	5	5	6	5	1.5	
[8]	7	6	6	6	6	[6]	6	7	6	7	6	6	7	6	6	7	0.4	
R	R	R	R	-	R	R	R	R	R	-	R	-	R	R	-	-	-	
8	6	6	6	5	8	8	6	6	7	7	7	7	8	7	7	7	1.4	
7	7	6	6	7	9	8	6	7	7	7	7	8	8	7	7	8	1.0	
2	6	10	8	12	1	1	6	7	3	3	3	3	2	3	3	2	-	
3	3	7	10	6	0	2	7	4	3	3	4	2	2	3	3	2	-	
92	90	92	93	92	80	90	89	95	86	85	89	91	90	88	88	85	1.5	
85	82	82	84	81	74	81	82	84	79	77	78	81	81	79	79	76	1.4	
+2	+2	+2	0	+3	+1	+2	0	+1	+2	+1	0	-1	+3	+2	+2	+2	0.7	
-	[6]	[6]	6	[6]	[5]	-	[6]	5	[6]	[6]	6	6	[6]	[5]	[6]	6	1.1	
Soft	Soft	Soft	Soft	Soft	Soft	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard	Hard		
10.9	10.7	10.8	11.0	10.9	10.9	11.1	11.0	10.5	11.2	10.8	10.9	11.0	10.9	10.8	10.7	11.4	0.2	
11.7	11.8	11.7	12.0	11.9	11.8	12.3	11.9	11.2	12.2	11.7	11.5	11.8	11.7	11.8	11.4	12.3	0.5	
299	202	224	204	240	255	253	235	261	202	299	215	271	286	164	271	321	21.8	
76.2	76.8	76.6	77.1	76.2	76.6	78.3	75.4	78.6	76.1	79.9	76.9	77.7	75.8	77.1	76.3	81.1	0.6	
124	[74]	[54]	-	[65]	-	-	-	-	-	-	-	-	-	-	-	-	30.1	
0.5	[0.3]	[0.3]	-	[0.3]	-	-	-	-	-	-	-	-	-	-	-	-	0.3	
-	-	103	103	103	98	-	104	105	-	104	102	102	101	102	101	98	-	
-	[103]	[103]	102	[101]	101	-	[105]	103	[104]	[105]	103	102	103	[101]	101	99	-	
102	101	101	101	102	97	107	105	105	102	103	104	103	99	100	95	99	-	
103	102	102	102	101	98	105	105	105	102	103	103	103	102	99	101	98	-	
102	102	102	100	101	94	106	106	106	105	104	104	102	102	101	100	98	-	
103	102	102	102	101	97	106	105	104	104	104	103	102	101	100	100	99	2.3	
102	104	103	103	101	98	106	107	105	104	104	102	101	102	102	98	97	3.4	
[103]	105	101	102	101	99	[105]	107	[107]	104	106	103	101	[101]	103	100	99	4.3	
[105]	[104]	104	102	99	97	[108]	106	102	[105]	103	102	99	104	100	99	100	4.6	
[Mid Feb]	[End Jan]	End Feb	End Jan	End Jan	End Feb	[End Jan]	Mid Feb	End Jan	[End Jan]	End Jan	Mid Feb	End Jan	Mid Feb	End Jan	End Jan	End Jan	-	
[102]	[101]	103	102	102	100	[105]	105	106	102	105	103	102	103	101	97	99	3.2	
102	103	103	102	101	96	106	106	104	105	103	103	102	101	100	100	98	3.2	
ElisW	KWS	RAGT	LimEur	RAGT	BA	LimEur	DSV	SyP	DSV	KWS	SyP	SyP	KWS	LimEur	R2n	KWS		
Elis	KWS	RAGT	Lim	RAGT	Sen	Lim	DSV	Syn	DSV	KWS	Syn	Syn	KWS	Lim	RAGT	Sen		
24	23	22	19	22	21	24	22	20	23	22	18	16	21	22	21	15		

WHEAT

WINTER WHEAT GROUP 1

SKYFALL (C4148 X HURRICANE)

Skyfall has been the most popular milling wheat on farm since 2014, and is likely to remain the Group 1 of choice this Autumn.

Very wide drilling window as it can be drilled from end September through to the 7th of March.

Reasonable 2nd wheat performance.

Needs watching for yellow rust and can be susceptible to sprouting so should be given priority at harvest.

Mildew	6	REGION	YIELD
Yellow Rust	3	UK	96
Brown Rust	9	EAST	96
Eyespot	6@	WEST	96
Septoria Tritici	5.8	NORTH	95
Resistance to lodging (+PGR)	7	Untreated yield	66
Resistance to lodging (- PGR)	8	Light soils	96
OWBM	Yes	Heavy soils	96
Specific Weight	79.1	First Cereal	96
Maturity	-2 -1 0 1 2 3	Second Cereal	97
Seedling Yellow Rust Resistance	No		

CRUSOE (CORDIALE X GULLIVER)

Crusoe was first introduced in 2012, and is still very popular with milling wheat growers due its consistent grain quality and ability to meet milling specifications.

Suits the main drilling window of mid september onwards through to the end of January.

A solid disease package except for its weakness to Brown Rust which needs watching.

Mildew	7	REGION	YIELD
Yellow Rust	8	UK	95
Brown Rust	3	EAST	95
Eyespot	5	WEST	96
Septoria Tritici	6.3	NORTH	94
Resistance to lodging (+PGR)	8	Untreated yield	75
Resistance to lodging (- PGR)	7	Light soils	93
OWBM	No	Heavy soils	96
Specific Weight	78.3	First Cereal	96
Maturity	-2 -1 0 1 2 3	Second Cereal	94
Seedling Yellow Rust Resistance	No		

WINTER WHEAT GROUP 1

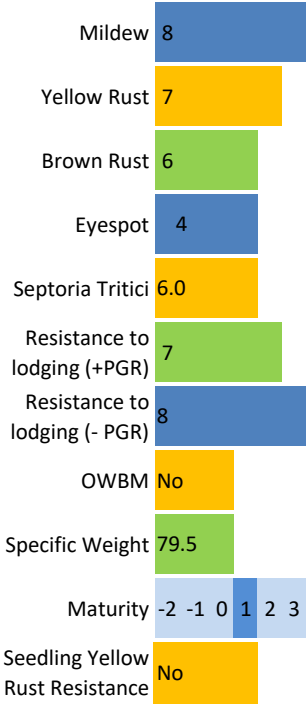
SY CHEER (KWS TRINITY X EXPERT)

SY Cheer is NEW for autumn 2024 which is very welcome addition to the Group 1 sector after several years of the same varieties which have now got disease issues.

SY Cheer only has a 1% yield advantage over Skyfall, but has much better Yellow Rust resistance and therefore the best untreated yield out of the all the Group 1 varieties.

This new addition to the Group 1 sector is worth looking at this autumn for milling growers wanting to reduce risk.

It has performed well in the 2nd wheat slot in trials so far.





REGION	YIELD
UK	97
EAST	97
WEST	98
NORTH	98
Untreated yield	84
Light soils	96
Heavy soils	97
First Cereal	97
Second Cereal	95

WHEAT

SY CHEER


Quality wheat made simple

**SY Cheer**
Winter wheat



Syngenta UK Ltd. Registered in England No. 849037.
CPC4 Capital Park, Fulbourn, Cambridge CB21 5XE.
Tel: +44 (0) 1223 883400 Technical Enquiries: +44 (0) 800 1696058
Email: product.technical_enquiries@syngenta.com Website: www.syngenta.co.uk

Source: AHDB Recommended List. The full database can be consulted at www.cereals.ahdb.org.uk



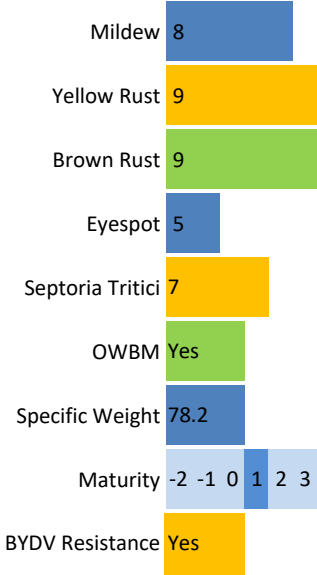
WINTER WHEAT GROUP 1

RGT GOLDFINCH

RGT Goldfinch is a NEW variety out of the RAGT Genserus program and is the UK's first BYDV and OWBM resistant wheat.

It has an excellent disease profile whilst offering growers an insecticide free bread-making wheat.

We are working closely with RAGT and Bradshaws on RGT Goldfinch and are looking forward to seeing how it performs in harvest 2024.



Limited seed available.





WHEAT

new

RGT GOLDFINCH

High quality bread making wheat with resistance against BYDV and OWBM

✓ The best disease profile on the market

✓ Clean, consistent, sustainable

✓ The UK's first BYDV & OWBM resistant high quality bread making wheat

think INSECTICIDE-FREE think RAGT

+ Call us on 01799 533700 or visit us at ragt.uk



think SOLUTIONS think RAGT

WINTER WHEAT GROUP 1

KWS LADUM (KWS SYWELL X KWS TALLAND)

KWS Ladum was new to the RL as a spring Group 1 milling wheat in autumn 2022.

It can be drilled from 1st November onwards and has out performed other Group 1 winter milling wheats such as Skyfall, Crusoe and KWS Zyatt in the January drilling slot.

With many Group 1 milling wheats now breaking down to diseases such as yellow rust, KWS Ladum is worth considering for those milling wheat growers that need a variety that can be drilled later in autumn or can be left in the shed until spring if the weather doesn't allow autumn sowing.

		REGION	YIELD
Mildew	[7]	UK Yield as % control (Autumn Sowing)	
Yellow Rust	7		
Brown Rust	6	UK Yield as % control (Spring Sowing)	101
Septoria Tritici	[6]		
Straw Height without PGR	75		
OWBM	No		
Specific Weight	78.1		
Maturity	-2 -1 0 1 2 3		

NISSABA (MULIKA X PREMIO X W45)

Nissaba was added as a Group 1 spring wheat to the AHDB RL in 2022/23.

Nissaba has no vernalisation requirement and can be sown in the Spring. When sown in the Autumn from October onwards it remains Winter dormant until the Spring Equinox.

Nissaba is yield competitive against Winter Group 1 varieties from October drilling over 3 years of breeder assessment trialling.

With current G1 winter wheats now having disease issues, Nissaba is worth trying for milling wheat growers this autumn.

Locally, Bradshaw's flour mill based in Driffeld will take Nissaba providing samples meet milling specification requirements and we have several growers that were pleased with its performance in harvest 2023.

		REGION	YIELD
Mildew	5	UK Yield as % control (Autumn Sowing)	
Yellow Rust	5		
Brown Rust	9	UK Yield as % control (Spring Sowing)	95
Septoria Tritici	6		
Straw Height without PGR	76		
OWBM	Yes		
Specific Weight	76.7		
Maturity	-2 -1 0 1 2 3		



NISSABA

GODDESS of GRAIN

A WHEAT FOR ALL SEASONS

Recommended by AHDB as a Spring Wheat (AHDB 22-23). Nissaba has no vernalisation requirement and can be sown in the Spring like any other Spring Wheat. When sown in the Autumn, anytime from October onwards it remains Winter dormant until the Spring Equinox.

- Competitive to winter Group 1's from October onwards planting
- Wide drilling window - October to April
- UKFM Group 1
- OWBM resistant
- Not prone to Yellow Rust races attacking current Winter UKFM Group 1 (Zyatt & Skyfall)
- High protein content enhancing opportunity of full Group 1 specification
- Excellent baking performance at a wide range of protein contents
- High seedling vigour and rapid emergence



WINTER WHEAT GROUP 2

KWS EXTASE (BOISSEAU X SOLHEIO)

KWS Extase remains a very popular variety on farm due to its high yields and good grain quality.

It still has the highest untreated yield on the recommended list at 93% of control.

It is a tall variety that needs a good PGR programme and is early to mature - good for those looking for an earlier variety to spread harvest workload.

KWS Extase must not be drilled too early (not before 25th September) as it has a fast speed of development due to its french parentage.

		REGION	YIELD
Mildew	7	UK	101
Yellow Rust	7	EAST	101
Brown Rust	6	WEST	102
Eyespot	4	NORTH	99
Septoria Tritici	7.4	Untreated yield	93
Resistance to lodging (+PGR)	8	Light soils	101
Resistance to lodging (- PGR)	7	Heavy soils	101
OWBM	No	First Cereal	101
Specific Weight	79.1	Second Cereal	101
Maturity	-2 -1 0 1 2 3		
Seedling Yellow Rust Resistance	No		

WINTER WHEAT GROUP 2

KWS PALLADIUM (KWS ZYATT X KWS TRINITY)

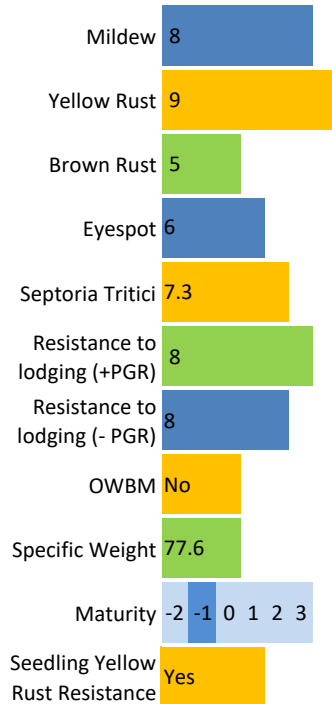
KWS Palladium has been on the market since 2022 and is performing well on farm.

A high untreated yield of 90% of control, short stiff straw, and good all-round disease package - excellent yellow rust and septoria resistance.

Can be drilled slightly earlier than KWS Extase and performs well as a 2nd wheat.

Excellent grain quality with milling potential, accepted by the millers as a Group 2 grade. KWS Palladium has good sprouting resistance.

KWS Palladium is a great all-rounder which is suitable for earlier drilling with very stiff straw and good performance on heavier land. Like KWS Extase, the early maturity can be very useful to spread workload at harvest.



REGION	YIELD
UK	100
EAST	99
WEST	101
NORTH	99
Untreated yield	90
Light soils	99
Heavy soils	99
First Cereal	100
Second Cereal	99

The **super clean** bread maker with harvest security built-in

KWS PALLADIUM

Group 2 Winter Wheat

- Excellent disease resistance including 7.3 for *Septoria tritici*
- Very high untreated yield
- Short and stiff with early maturity



www.kws-uk.com

SEEDING
THE FUTURE
SINCE 1856



WINTER WHEAT GROUP 2

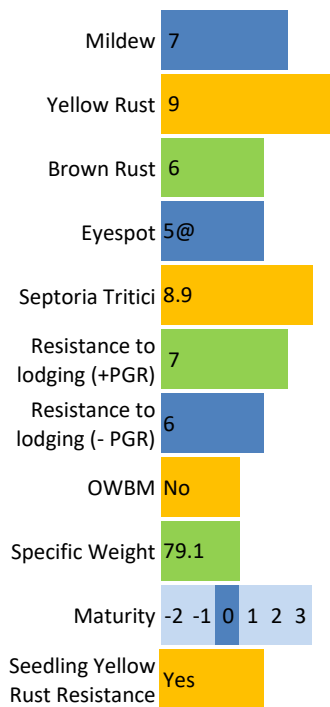
MAYFLOWER (ASCOTT X ARMADA)

Mayflower was new to the market in Autumn 2022.

It has an excellent agronomic package with an untreated yield of 91%, Yellow Rust score of 9, and a Septoria Tritici rating of 8.9.

It offers increased marketing opportunities in comparison to some of the other Group 2 varieties, due to less protein dilution and ability to reach the 13% protein specification for milling grades.

Some recent nitrogen use efficiency trials suggest that when N levels are reduced, Mayflower's relative yield increases compared to other established varieties.



REGION	YIELD
UK	97
EAST	97
WEST	97
NORTH	96
Untreated yield	91
Light soils	96
Heavy soils	97
First Cereal	97
Second Cereal	98

When everything's going up, it pays to bring your costs down.

Increased flexibility

Mayflower has a **wider, more flexible** growing window than its competitors.

Increased income opportunities

When grown as a milling wheat, it consistently achieves the **13%** contract specification of protein with a specific weight of **79.1kg**.

Reduced fuel costs

Less inputs and passes means **fewer litres** in the tank.

Reduced chemistry costs

Excellent disease package with a **Septoria score of 8.9**, as well as Soil Wheat Mosaic Virus and PCHI to Eyespot.

Reduced nitrogen costs

Recent trials prove when N levels are reduced, Mayflower's relative **yield increases** compared to other established varieties.

This season choose the lower input variety. It could just deliver a higher impact on your bottom line.

Speak to your seed merchant today about availability.

MAYFLOWER
Winter Wheat

Elsoms
The Seed Specialists

elsoms.com

WINTER WHEAT GROUP 3

BAMFORD (MOULTON X EW129)

Bamford is a NEW variety to the market this autumn and is a welcome addition to the soft wheat sector, after a breakdown in Septoria Tritici resistance in many soft varieties over the last few seasons.

A high untreated yield of 92% with good grain quality, stiff straw and a wide range of marketing opportunities with full approval for biscuit milling, export and distilling.

Bamford offers a big step up in yield when compared to other soft wheats on the market. The Mortimers team have been very impressed with how it has looked in trials over the last couple of seasons.

We recommend soft wheat growers to try some Bamford this autumn!

		REGION	YIELD
Mildew	[6]	UK	106
Yellow Rust	7	EAST	105
Brown Rust	8	WEST	107
Eyespot	6	NORTH	[105]
Septoria Tritici	6.7	Untreated yield	92
Resistance to lodging (+PGR)	7	Light soils	[105]
Resistance to lodging (- PGR)	7	Heavy soils	106
OWBM	No	First Cereal	105
Specific Weight	78.5	Second Cereal	106
Maturity	-2 -1 0 1 2 3		
Seedling Yellow Rust Resistance	No Data		



TOP BAMFORD '24.

WHEAT

Bamford. The most impressive Group 3 wheat to hit the UK market in years.

Bamford is the highest yielding UK soft wheat on this year's Recommended List - with standout figures of 106% treated and 92% untreated, there is no competition.

Bamford offers an enviable agronomic and disease resistance package that sets it up as one of the most competitive varieties available.

Bamford has unbeatable end-market flexibility as it delivers to feed, distilling, UK export and biscuit milling quality, making it the ideal choice in volatile market conditions.

Bamford is the wheat you can totally trust to deliver the best gross output potential.

Bamford is your unrivalled top choice for 2024.

BAMFORD

Winter Wheat

Speak to your seed merchant today about availability.

Elsoms
The Seed Specialists
elsoms.com

WINTER WHEAT GROUP 4 (SOFT)

KWS ZEALUM (KWS BASSET X REFLECTION)

KWS Zealum was new to the market last autumn offering good yields and disease package.

It is suitable for earlier drilling, stiff strawed and performs well on heavier land as well as good performance in the 2nd wheat position.

It is slightly later to mature with excellent sprouting resistance which is a big advantage the further North it is grown.

It has a good alcohol yield for the distilling market with attractive premiums over feed.

Mildew	7	REGION	YIELD
Yellow Rust	9	UK	102
Brown Rust	5	EAST	103
Eyespot	5	WEST	102
Septoria Tritici	6.1	NORTH	102
Resistance to lodging (+PGR)	7	Untreated yield	84
Resistance to lodging (- PGR)	6	Light soils	[101]
OWBM	Yes	Heavy soils	103
Specific Weight	76.8	First Cereal	102
Maturity	-2 -1 0 1 2 3	Second Cereal	104

Resilient, Reliable, Returns.

KWS Zealum has you covered!

KWS ZEALUM

Group 4 Soft Winter Wheat

- Exceptional performance in the early sown slot
- Super stiff strawed
- High yielding soft Group 4 with premium market opportunities



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SEEDING
THE FUTURE
SINCE 1856



WINTER WHEAT GROUP 4 (SOFT)

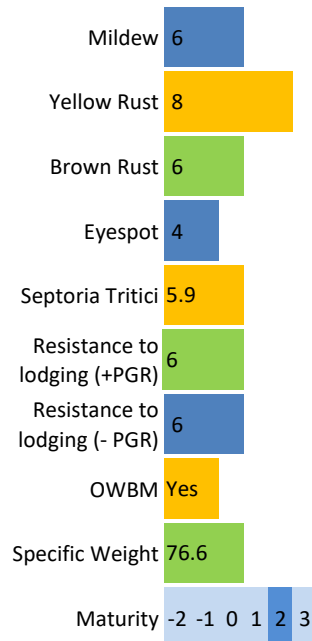
RGT BAIRSTOW ((REVELATION X SANTIAGO) X COUGAR)

RGT Bairstow new to the RL in autumn 2022, offering good yields and grain quality.

Performs well across all soil types and is a very good second wheat.

RGT Bairstow is later to mature which should be considered, but for those needing to spread the workload at harvest it is a useful variety.

It is a tall variety with average straw stiffness which is something to bear in mind on the heavier, more fertile land.



REGION	YIELD
UK	102
EAST	102
WEST	103
NORTH	102
Untreated yield	84
Light soils	103
Heavy soils	103
First Cereal	102
Second Cereal	103

G4 WINTER WHEAT

WHEAT



RGT BAIRSTOW

It will knock you for six

- ✓ Consistent performer
- ✓ Approved for distilling
- ✓ Good disease ratings
- ✓ Wide sowing window and excels when drilled late
- ✓ Excellent second wheat performance

AHDB
CEREALS & OILSEEDS

RGT Bairstow.
Recommended List

+ Call us on 01799 533700.
or visit us at ragtseeds.co.uk



think
SOLUTIONS
think RAGT

WINTER WHEAT GROUP 4 (SOFT)

LG SKYSCRAPER ((CASSIUS X NAWW 29) X KWS SANTIAGO)

LG Skyscraper has been on the RL since 2019 and has been one of the most popular varieties over the last few seasons.

It has given consistently high yields across all regions and soil types. Performs particularly well on lighter land. It's early maturity is very valuable further North.

Excellent performance in both the first and second wheat slot.

It is a tall variety (93cm without PGR) but is stiff strawed.

LG Skyscraper has a high tillering capacity so is competitive against grassweeds.

Mildew	7	REGION	YIELD
Yellow Rust	7	UK	102
Brown Rust	5	EAST	103
Eyespot	5	WEST	101
Septoria Tritici	4.9	NORTH	101
Resistance to lodging (+PGR)	6	Untreated yield	83
Resistance to lodging (- PGR)	6	Light soils	102
OWBM	Yes	Heavy soils	102
Specific Weight	77.1	First Cereal	102
Maturity	-2 -1 0 1 2 3	Second Cereal	103

LG SPOTLIGHT (SCRIBE X HORATIO)

LG Spotlight is a high yielding wheat which has given very consistent performance on farm over the last few years.

Exceptional grain quality - its good resistance to sprouting means it holds onto its HFN well in the field during challenging harvests.

LG Spotlight is tall but very stiff strawed. A reasonable disease package but needs watching for Yellow Rust.

In our opinion, LG Spotlight has been overshadowed by LG Skyscraper since coming to the market in 2019 and is an under-valued variety. Whilst it needs looking after for yellow rust, its on farm consistency and superb grain quality is hard to beat!

Mildew	6	REGION	YIELD
Yellow Rust	5	UK	102
Brown Rust	6	EAST	101
Eyespot	[5]	WEST	103
Septoria Tritici	5.1	NORTH	101
Resistance to lodging (+PGR)	8	Untreated yield	77
Resistance to lodging (- PGR)	7	Light soils	101
OWBM	Yes	Heavy soils	102
Specific Weight	77.7	First Cereal	102
Maturity	-2 -1 0 1 2 3	Second Cereal	101

WINTER WHEAT GROUP 4 (HARD)

LG BEOWULF (COSTELLO X GLEAM)

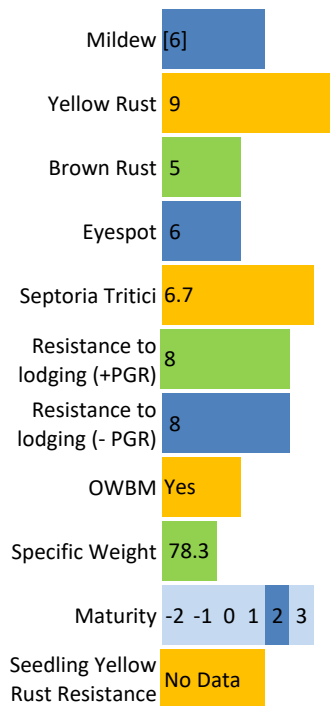
LG Beowulf is an exciting new variety for autumn 2024 which we have been watching closely in trials over the last few seasons.

Like Gleam, LG Beowulf offers a high yielding wheat which performs well across all regions and soil types and can be drilled in either the 1st or 2nd wheat slot.

Excellent grain quality from its other parent Costello with a specific weight of 78.3kg/hl.

Very good disease package - especially to yellow rust and septoria tritici.

Very stiff strawed with a 8/8 score for lodging.



REGION	YIELD
UK	106
EAST	106
WEST	106
NORTH	[107]
Untreated yield	91
Light soils	[105]
Heavy soils	106
First Cereal	106
Second Cereal	106

RECOMMENDED

WHEAT

YIELD EVERY OPPORTUNITY,

SEASON, REGION & SCENARIO

LG BEOWULF HAS IT ALL

- Highest yielding feed wheat on the AHDB RL
- Outstanding disease resistance with OWBM
- High specific weight
- Flexible - soil type, rotational slot & drilling date

SCAN FOR FULL DATA

lgseeds.co.uk/lg-beowulf

Limagrain Field Seeds
Limagrain

WINTER WHEAT GROUP 4 (HARD)

CHAMPION (DSV20122 X REFLECTION)

Champion was new to the market in autumn 2022 offering growers excellent yields and a strong agronomic package.

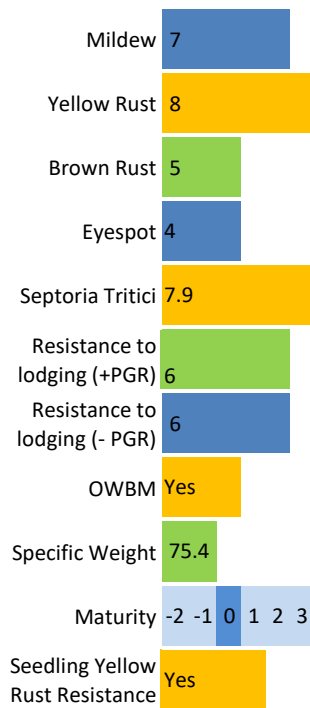
Performs very well on all soil types, particularly heavier land and is also a good second wheat (watch for eyespot in this slot).

Champion is a very clean variety with good disease scores all round.

It is relatively tall (89cm) so a good PGR program is advised and not to be drilled before mid-september.

Its vigorous growth habit makes it competitive against grassweeds and well suited to later drilling.

Champion is a great barn filler and has proven itself very popular on farm over the last couple of seasons.



REGION	YIELD
UK	106
EAST	106
WEST	106
NORTH	103
Untreated yield	90
Light soils	105
Heavy soils	106
First Cereal	105
Second Cereal	107

WORLD CHAMPION

THE WHEAT TO BEAT



THE HIGHEST YIELDING WHEAT IN THE WORLD*



DSV CHAMPION GROUP 4 – HARD

The ultimate barn filler with **list topping** yields
 Orange blossom midge resistance
 Robust resistance genetics against yellow rust
 Impressive scores for Septoria tritici



Innovation for
your growth

dsv-uk.co.uk

* The highest wheat yield is 17.95 tonnes/ha (39572.97 lbs/ha) and was harvested from 8.2920 ha (20.49 acres) by Tim Lamyman (UK) in Louth, Lincolnshire, UK, on 10 August 2022. Data from Guinness World Records.

WINTER WHEAT GROUP 4 (HARD)

KWS DAWSUM (KWS KERRIN X COSTELLO)

Along with Champion, KWS Dawsum has been a very popular choice on farm over the last couple of seasons.

Many of you will know its parents KWS Kerrin and Costello, combining excellent yield and grain quality as well as its suitability as a second wheat.

Suitable for early drilling from the 7th September onwards.

One of the shorter, stiff strawed varieties (85cm) making it a good choice on heavier land.

With a strong agronomic package, KWS Dawsum is a low risk variety and an excellent barn filler!

Mildew	8	REGION	YIELD
Yellow Rust	9	UK	103
Brown Rust	7	EAST	103
Eyespot	5	WEST	104
Septoria Tritici	6.3	NORTH	105
Resistance to lodging (+PGR)	7	Untreated yield	91
Resistance to lodging (- PGR)	7	Light soils	105
OWBM	No	Heavy soils	103
Specific Weight	79.9	First Cereal	104
Maturity	-2 -1 0 1 2 3	Second Cereal	104
Seedling Yellow Rust Resistance	Yes		

Now that's a **special combination!**



KWS DAWSUM

Group 4 Hard Winter Wheat

- Exceptional specific weight (79.9 kg/hl)
- Very high yield potential across all regions of the UK
- Super flexible on-farm with a wide sowing window



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WINTER WHEAT GROUP 4 (HARD)

GLEAM (HEREFORD X KWS KIELDER)

Despite being on the market since 2018, Gleam is still one of the most popular varieties on farm thanks to its consistency and versatility in the rotation.	Mildew	6	REGION	YIELD
	Yellow Rust	5	UK	103
	Brown Rust	6	EAST	103
	Eyespot	5	WEST	103
Wide drilling window from 1st September - Mid February.	Septoria Tritici	5.7	NORTH	103
	Resistance to lodging (+PGR)	7	Untreated yield	80
Gleam offers great flexibility on farm due to its high yields and excellent performance in both the first and second wheat position.	Resistance to lodging (- PGR)	7	Light soils	103
	OWBM	Yes	Heavy soils	103
	Specific Weight	76.9	First Cereal	103
	Maturity	-2 -1 0 1 2 3	Second Cereal	102
Good disease package with an untreated yield of 84% but needs watching for yellow rust.	Seedling Yellow Rust Resistance	No		

GRAHAM (PREMIO X EXPERT)

Graham has been on the RL since 2016 but still has a loyal following on farm due to its consistency.	Mildew	6	REGION	YIELD
	Yellow Rust	7	UK	102
	Brown Rust	5	EAST	101
An excellent first wheat, suitable for early drilling with a very stable disease package and untreated yield of 89%.	Eyespot	4	WEST	104
	Septoria Tritici	6.6	NORTH	102
	Resistance to lodging (+PGR)	8	Untreated yield	89
Good grain quality and early maturity.	Resistance to lodging (- PGR)	7	Light soils	102
	OWBM	No	Heavy soils	102
	Specific Weight	77.7	First Cereal	102
	Maturity	-2 -1 0 1 2 3	Second Cereal	101
	Seedling Yellow Rust Resistance	No		

WINTER WHEAT GROUP 4 (HARD)

KWS CRANIUM (KWS CRISPIN X KWS KIELDER)

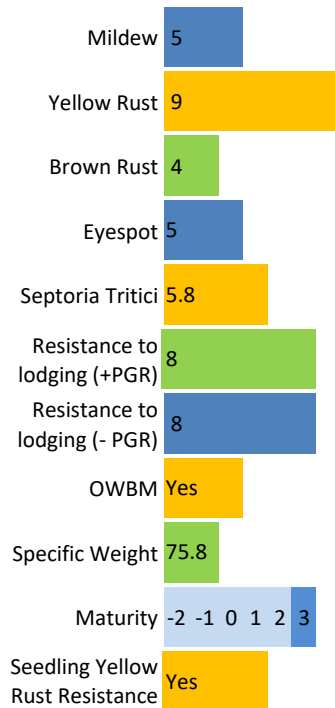
KWS Cranium was added to the RL in for autumn 2021 and should not be overlooked by some of the higher yielding wheats.

With a double 8 for standing, KWS Cranium is the stiffest variety on the RL.

It performs exceptionally well in the later drilled slot - an ideal choice after later harvested crops such as potatoes.

Its fast speed of development and vigorous growth habit makes it very competitive against grassweeds.

A later maturing variety which helps spread the workload at harvest.



REGION	YIELD
UK	102
EAST	102
WEST	100
NORTH	102
Untreated yield	79
Light soils	103
Heavy soils	101
First Cereal	101
Second Cereal	102

The thinking farmer's wheat!

KWS CRANIUM

Group 4 Hard Winter Wheat

- Exceptionally stiff strawed
- The specialist wheat for later drilling
- Excellent combination of yield, yellow rust and OWBM resistance



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WINTER WHEAT GROUP 4 (HARD)

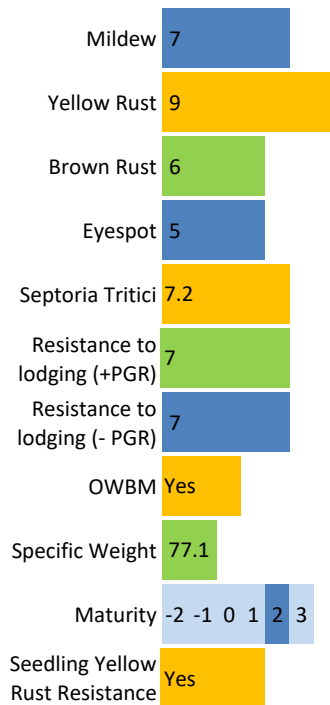
LG TYPHOON (LG GARUS X LGW88)

LG Typhoon was new to the market in 2022 and is an excellent all-rounder which offers a low risk variety to have in the mix on farm.

It's slower growth habit in the autumn makes it suitable for early drilling, and it performs very well in the second wheat position.

LG Typhoon performs particularly well on lighter soils.

With an untreated yield of 89% and a rating of 7.2 for Septoria Tritici, LG Typhoon is a useful variety to have on farm for hard/feed wheat growers.



REGION	YIELD
UK	100
EAST	100
WEST	100
NORTH	101
Untreated yield	89
Light soils	103
Heavy soils	101
First Cereal	101
Second Cereal	102



WHEAT

READY FOR THE FUTURE



LG TYPHOON WINTER WHEAT

- Recommended for all farming systems
- Desirable agronomics for early drilling
- Excellent disease & OWBM resistance



lgseeds.co.uk/lg-typhoon

Limagrain

WINTER OATS

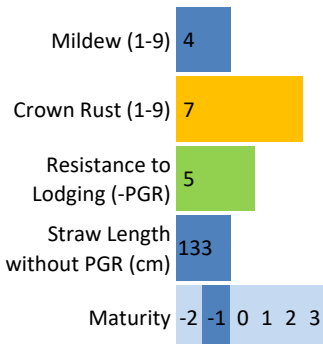
RGT SOUTHWARK

The highest yielding winter oat variety on the AHDB Recommended List.

Offers a good specific weight.

It is a tall strawed variety which needs watching but is early to mature and harvest.

It has very good resistance to the common strains of Crown Rust which contributes to its high untreated yield of 94% but it is susceptible to mildew.



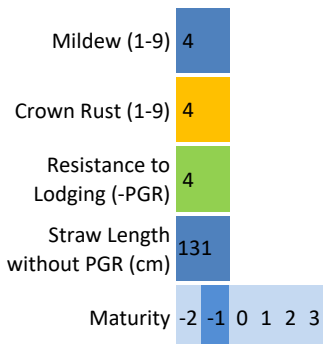
REGION	YIELD
Breeder	RAGT
UK yield (% treated control)	105
Unt. yield (% treated control)	94
Kernel content (%)	72.5
Specific Weight (kg/hl)	54.0
Screenings (2.0mm)	5.5
Screenings (1.8mm)	N/A

DALGUISE

An early maturing variety with good specific weight and decent grain quality.

It is a tall variety with relatively weak straw so needs careful management.

Dalguise is susceptible to crown rust and mildew - a robust fungicide program is required for it to reach its full potential.



REGION	YIELD
Breeder	Senova
UK yield (% treated control)	101.0
Unt. yield (% treated control)	83.0
Kernel content (%)	72.6
Specific Weight (kg/hl)	54.5
Screenings (2.0mm)	3.3
Screenings (1.8mm)	N/A

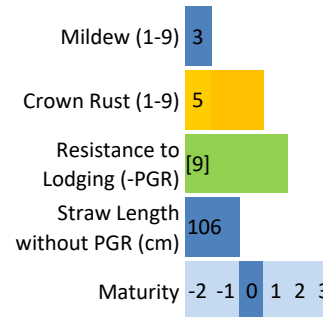
CROMWELL

Cromwell was a new winter oat onto the market in autumn 2023.

It is a Mascani cross which gives it a high specific weight and kernel content.

It has short, stiff straw but needs watching for mildew.

Cromwell is attracting demand from the millers, which gives growers a higher yielding option to Mascani but still producing the good grain quality which Mascani has been renowned for - we expect Cromwell to take some Mascani market share over the coming seasons.



REGION	YIELD
Breeder	Senova
UK yield (% treated control)	103.0
Unt. yield (% treated control)	89.0
Kernel content (%)	74.7
Specific Weight (kg/hl)	55.1
Screenings (2.0mm)	4.8
Screenings (1.8mm)	N/A

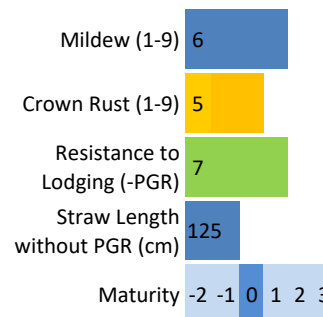
MASCANI

Mascani remains the most popular milling oat variety with strong demand from millers with around 75% market share.

The highest kernel content of all varieties.

Very low screenings.

Mascani has the best all round disease package of all the husked winter oats.



REGION	YIELD
Breeder	Senova
UK yield (% treated control)	95.0
Unt. yield (% treated control)	83.0
Kernel content (%)	75.3
Specific Weight (kg/hl)	52.9
Screenings (2.0mm)	2.0
Screenings (1.8mm)	N/A

WINTER RYE

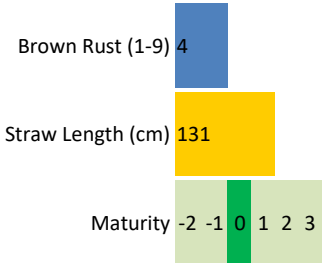
HYBRID WINTER RYE

SU PERSPECTIV

SU Perspectiv is new for this autumn and is a step on in yield and quality to its predecessor SU Performer which as been very popular.

It can be grown for either AD or grain production.

Fast developer and good lodging resistance.



REGION	YIELD
Breeder	Saaten Union
UK yield (% treated control)	102
Protein (%)	8.9
HFN	234
Specific Weight (kg/hl)	77.3
Wholecrop silage maturity (% DM)	30-40

KWS TAYO

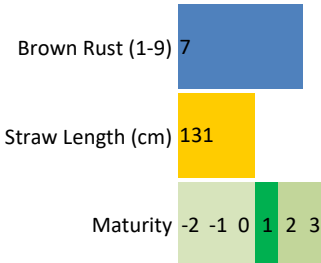
KWS Tayo is a very high yielding variety which is suitable for AD or grain markets.

Excellent stem stiffness with high straw yields.

Benefits from the KWS PollenPlus technology to minimise ergot infection.

Good Drought tolerance and high harvest index (grains/ear).

Seed Rates (seeds/m2):
Sept - 200-220 seeds/m2
Oct - 250+ seeds/m2



REGION	YIELD
Breeder	KWS
UK yield (% treated control)	104
Protein (%)	9
HFN	248
Specific Weight (kg/hl)	76.3
Wholecrop silage maturity (% DM)	30-40

Join the #ryevolution!



KWS TAYO

Winter Rye

- Market-leading hybrid variety
- Joint-highest grain yield on the 2024/25 Descriptive List
- Highest Brown rust rating on the 2024/25 Descriptive List



www.kws-uk.com

**SEEDING
THE FUTURE**
SINCE 1856



OILSEED RAPE

CONVENTIONAL OILSEED RAPE

PI PINNACLE - CONVENTIONAL

Pinnacle is a NEW variety for this autumn and is the highest yielding conventional variety on the AHDB Recommended List.

It was bred by Mike Pickford, an independent oilseed rape breeder focussing on keeping plants green for as long as possible to build yield at the end of the season.

Pinnacle has a large seed and good autumn vigour - it is slightly later to flower to avoid the risk of damage from late frosts.

Light Leaf Spot (1-9)	7
Stem Canker (1-9)	4
TuYV Resistance	No
Pod Shatter Resistance	No
Earliness of flowering (1-9)	5
Earliness of maturity (1-9)	5
Recommended Regions	All

AGRONOMIC DATA

Breeder	Mike Pickford
UK Output (%)	102
E/W Output (%)	103
Lodging Resistance	8
Plant Height (cm)	148
Oil Content	44.4%
RL status	2024/25

ACACIA - CONVENTIONAL

Acacia remains one of the most popular conventional varieties on the market, with good autumn and spring vigour.

It is a Anastasia cross which has attracted many traditional Anastasia growers over the last few seasons. Suitable for drilling from end July - mid September.

Consistent performance on farm with good yields and straw strength.

Light Leaf Spot (1-9)	6
Stem Canker (1-9)	5
TuYV Resistance	No
Pod Shatter Resistance	No
Earliness of flowering (1-9)	6
Earliness of maturity (1-9)	5
Recommended Regions	All

AGRONOMIC DATA

Breeder	LG
UK Output (%)	98
E/W Output (%)	98
Lodging Resistance	8
Plant Height (cm)	138
Oil Content	44.9%
RL status	2024/25



No.1
Conventional
WOSR 2024

PiNNACLE
For PEAK Yields

**THE NO. 1 UK RECOMMENDED
CONVENTIONAL 2024**

BRED IN BRITAIN FOR UK FARMERS

Highly recommended for all regions of the UK, this top-performing conventional variety boasts the highest yield. Featuring large pods and abundant seeds, it ranks as the No.1 choice. Developed in Britain specifically for British farmers, its superior yield, vigour, and establishment surpass even that of Campus.

 **Grainseed**

t: 01379 871073 e: info@grainseed.co.uk

CONVENTIONAL OILSEED RAPE

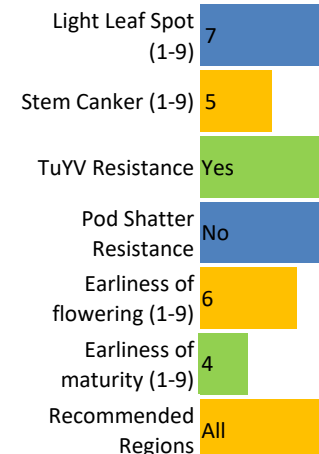
ANNIKA - CONVENTIONAL

Annika is now a well established variety within the conventional rapeseed market.

It offers growers good yields with a strong disease package and TuYV resistance.

It is suited to earlier drilling than the Acacia, it can be drilled from mid-July through to mid-September.

Relatively early to flower but slightly later to mature with excellent stem stiffness.



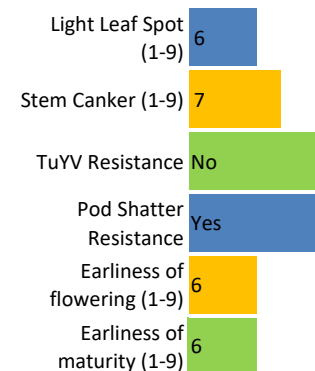
AGRONOMIC DATA

Breeder	LG
UK Output (%)	99
E/W Output (%)	99
Lodging Resistance	8
Plant Height (cm)	142
Oil Content	44.9%
RL status	2024/25

DK IMPRINT CL - CLEARFIELD

DK Imprint is a clearfield variety with good agronomic characteristics, although there are some other higher yielding options.

Rapid autumn and spring vigour to help grow away from CSFB adult, larvae or any other threats.



AGRONOMIC DATA

Breeder	Dekalb
2-Year Gross Output	4.48t/ha
Lodging Resistance	8
Height (1-9)	6
Oil Content	44.1%
RL status	No

Double Phoma and Pod Shatter Resistance.



ANYTHING BUT CONVENTIONAL



ANNIKA

TuYV resistant conventional variety with a strong disease resistance profile that is well suited to the earlier drilling slot



lgseeds.co.uk/annika

Limagrain

CONVENTIONAL OILSEED RAPE

MATRIX CL - CLEARFIELD

Matrix CL remains the most popular and highest yielding clearfield variety on the market.

It has good autumn vigour, relatively early to flower and strong lodging resistance.

With pod shatter resistance, RLM7+ resistance to stem canker and TuYV resistance, Matrix CL has an excellent overall agronomic package.

Light Leaf Spot (1-9)	6
Stem Canker (1-9)	7
TuYV Resistance	Yes
Pod Shatter Resistance	Yes
Earliness of flowering (1-9)	6
Earliness of maturity (1-9)	6
Recommended Regions	UK

AGRONOMIC DATA

Breeder	DSV
UK Output (%)	96
E/W Output (%)	97
Lodging Resistance	[7.7]
Plant Height (cm)	151
Oil Content	45.6%
RL status	2024/25

HYBRID OILSEED RAPE

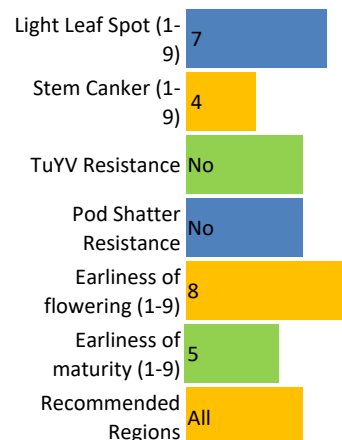
TURING - HYBRID

Turing remains one of the highest yielding varieties on the AHDB recommended list for autumn 2024.

It is short and stiff with excellent standing power.

It is a very early flowering variety with good resistance to Light Leaf Spot but moderately susceptible to Stem Canker.

Good Verticillium Wilt resistance.



AGRONOMIC DATA	
Breeder	LSPB
UK Output (%)	106
E/W Output (%)	106
Lodging Resistance	7.9
Plant Height (cm)	142
Oil Content	44.4%
RL status	2024/25

ATTICA - HYBRID

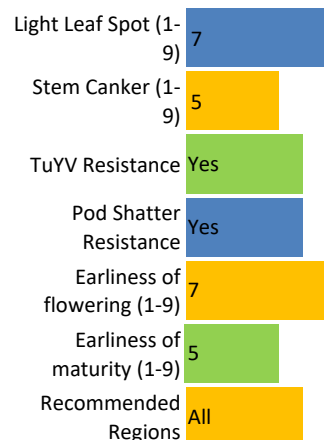
Attica was new to the market last season and has shown consistent high performance.

TuYV, RLM7 and pod shatter resistance. It has good Verticillium Wilt resistance.

Good stem stiffness and lodging resistance.

Early to flower but medium for maturity.

Attica is another solid, all round performer out of the current Limagrain oilseed rape portfolio. It is suitable for drilling from beginning of August through to early September.



AGRONOMIC DATA	
Breeder	LG
UK Output (%)	105
E/W Output (%)	105
Lodging Resistance	[7.9]
Plant Height (cm)	148
Oil Content	45.3%
RL status	2024/25

TURING

CRACK THE YIELD CODE

AHDB RECOMMENDED

TURING
OILSEED RAPE

SCAN HERE FOR INFO

npz-uk.com

NPZ UK - Breeding Quality



**“THE NEXT
BIG THING!”**

Ben, Lincolnshire



ATTICA FULLY LOADED HYBRID OSR

High yielding with the genetic security of TuYV and pod shatter resistance



lgseeds.co.uk/attica

Limagrain

HYBRID OILSEED RAPE

VEGAS - HYBRID

Vegas was new to the market last autumn from LSPB. It is a high yielding hybrid at a gross output of 104% for the East/West region.

It is an early flowering variety with medium maturity and good stem stiffness.

Excellent all round disease resistance - Vegas has the NEW RlmS phoma resistance gene making it the best variety for stem canker with a rating of 9.

Light Leaf Spot (1-9)	7
Stem Canker (1-9)	9
TuYV Resistance	No
Pod Shatter Resistance	No
Earliness of flowering (1-9)	7
Earliness of maturity (1-9)	5
Recommended Regions	All

AGRONOMIC DATA

Breeder	LSPB
UK Output (%)	104
E/W Output (%)	104
Lodging Resistance	7.9
Plant Height (cm)	143
Oil Content	45.4%
RL status	2024/25

DK EXSTAR - HYBRID

DK Exstar continues to prove itself as a consistent performer on farm with a good all-round agronomic package and reliable yield.

Suitable for early drilling.

Rapid autumn and spring development to combat CSFB and larvae pressure.

Available on establishment scheme.

Light Leaf Spot (1-9)	8
Phoma Resistance (1-9)	8
TuYV Resistance	No
Pod Shatter Resistance	Yes
Earliness of flowering (1-9)	6
Earliness of maturity (1-9)	6

AGRONOMIC DATA

Breeder	Dekalb
2-Year Gross Output	4.92 t/ha
Lodging Resistance	9
Plant Height (1-9)	6
Oil Content	45.3%
RL status	No

DK Exstar

Risk buster



For reliability that really adds up choose DK Exstar

- Class-leading phoma & light leaf spot resistance **8+8**
- Exceptional lodging resistance & stem stiffness **9+8**
- Ideal autumn and spring growth habit **Rapid + Rapid**

The #DEKALBdifference in OSR

The first choice for early drilling

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HYBRID OILSEED RAPE

MAVERICK - HYBRID

Maverick is a high yielding recommended list candidate variety for harvest 2024.

It has excellent yield potential combined with good stem canker resistance, TuYV resistance and outstanding autumn and spring vigour.

Maverick benefits from both RlmS & Rlm7 phoma resistance genes.

Light Leaf Spot (1-9)	7
Stem Canker (1-9)	9
TuYV Resistance	Yes
Pod Shatter Resistance	No
Earliness of flowering (1-9)	6
Earliness of maturity (1-9)	5
Recommended Regions	Candidate

AGRONOMIC DATA

Breeder	NPZ
Gross Output (%)	108
Oil Content	46.1%
Lodging Resistance	9
Stem Stiffness	8
Plant Height (1-9)	5



SET YOUR SIGHTS ON STRONG STEM HEALTH



MAVERICK OILSEED RAPE

SCAN HERE FOR INFO



npz-uk.com

NPZ UK - Breeding Quality

HYBRID OILSEED RAPE

LG AUCKLAND - HYBRID

LG Auckland is a high yielding hybrid variety which was added to the RL in Autumn 2022.

Good autumn vigour and fast to grow away in the spring - can be drilled from early August through to the end of September. It is early to flower and relatively early to mature.

LG Auckland benefits from the fully loaded traits from the Limagrain breeding program - TuYV, pod shatter and RLM7 phoma resistance genes.

Light Leaf Spot (1-9)	7
Stem Canker (1-9)	5
TuYV Resistance	Yes
Pod Shatter Resistance	Yes
Earliness of flowering (1-9)	7
Earliness of maturity (1-9)	5
Recommended Regions	UK

AGRONOMIC DATA

Breeder	LG
UK Output (%)	105
E/W Output (%)	105
Lodging Resistance	[7.8]
Plant Height (cm)	148
Oil Content	45.5%
RL status	2024/25

HYBRID OILSEED RAPE

AMBASSADOR - HYBRID

Ambassador remains one of the most hybrid varieties on the market which has proven itself on farm over the last few seasons.

It has excellent autumn and spring vigour suited for drilling from mid August - mid September.

Ambassador benefits from the fully loaded traits from the Limagrain breeding program - TuYV, pod shatter and RLM7 phoma resistance genes.

Light Leaf Spot (1-9)	7	AGRONOMIC DATA	
Stem Canker (1-9)	6	Breeder	LG
TuYV Resistance	Yes	UK Output (%)	404
Pod Shatter Resistance	Yes	E/W Output (%)	104
Earliness of flowering (1-9)	7	Lodging Resistance	[8]
Earliness of maturity (1-9)	6	Plant Height (cm)	146
Recommended Regions	UK	Oil Content	44.7%
		RL status	2024/25

AURELIA - HYBRID

Another reliable variety from the Limagrain portfolio which continues to perform on farm since its addition to the market in 2020.

Excellent autumn and spring vigour to aid establishment and grow away from early season pest and disease pressure. Suitable for drilling from early August - mid September.

Aurelia benefits from TuYV, pod shatter and RLM7 phoma resistance genes.

Light Leaf Spot (1-9)	7	AGRONOMIC DATA	
Stem Canker (1-9)	5	Breeder	LG
TuYV Resistance	Yes	UK Output (%)	103
Pod Shatter Resistance	Yes	E/W Output (%)	102
Earliness of flowering (1-9)	7	Lodging Resistance	[7.9]
Earliness of maturity (1-9)	5	Plant Height (cm)	143
Recommended Regions	All	Oil Content	44.8%
		RL status	2024/25

HYBRID OILSEED RAPE

LG AVIRON - HYBRID

LG Aviron is Limagrain's most vigorous variety with exceptional autumn and spring vigour.

Light Leaf Spot (1-9) **7**

Stem Canker (1-9) **6**

TuYV Resistance **Yes**

Pod Shatter Resistance **Yes**

Earliness of flowering (1-9) **8**

Earliness of maturity (1-9) **6**

Recommended Regions **All**

Suited for drilling from 2nd week in August - end September allowing a flexible drilling window.

TuYV, Pod Shatter and RLM7 phoma resistance as well as Limagrain's N-Flex technology.

LG Aviron is early to flower and relatively early to mature.

AGRONOMIC DATA

Breeder	LG
UK Output (%)	102
E/W Output (%)	102
Lodging Resistance	[7.8]
Plant Height (cm)	147
Oil Content	44.4%
RL status	2024/25

DART - HYBRID

Dart is a good 'all-rounder' of the rapeseed varieties giving consistent performance on farm over the last couple of seasons.

Rapid autumn development allows for later sowing if required and strong spring vigour helps plants grow away from any CSFB larvae pressure.

Stiff strawed and good lodging resistance along with TuYV resistance. Dart also benefits from DSV's Harvest Max yield protection traits to reduce seed loss at harvest due to its long, large pod physiology.

Light Leaf Spot (1-9) **7**

Stem Canker (1-9) **5**

TuYV Resistance **Yes**

Pod Shatter Resistance **No**

Earliness of flowering (1-9) **7**

Earliness of maturity (1-9) **5**

Recommended Regions **East/West**

AGRONOMIC DATA

Breeder	DSV
UK Output (%)	99
E/W Output (%)	100
Lodging Resistance	7.9
Plant Height (cm)	143
Oil Content	45.2%
RL status	2024/25



DART Hybrid Oilseed Rape

- High yield and impressive oil content
- In trials, DART has proved to be very resilient to cabbage stem flea beetle (CSFB) damage at both adult and larval stage
- DART offers TuYV protection with good tolerance to Verticillium wilt
- Low biomass means early maturity and easy harvest



Innovation for
your growth

dsv-uk.co.uk

HYBRID OILSEED RAPE

DOLPHIN - HYBRID

Dolphin is a NEW hybrid from DSV to the market this autumn offering growers high yields, excellent disease resistance and a high oil content.

DSV Dolphin carries the new Harvest Max protection traits to give maximum protection against harvest challenges.

Its strong autumn and spring vigour means it can be drilled later in the season if required.

Light Leaf Spot (1-9)	6
Stem Canker (1-9)	7
TuYV Resistance	Yes
Pod Shatter Resistance	No
Earliness of flowering (1-9)	7
Earliness of maturity (1-9)	4
Recommended Regions	East/West

AGRONOMIC DATA

Breeder	DSV
UK Output (%)	105
E/W Output (%)	106
Lodging Resistance	[8.0]
Plant Height (cm)	143
Oil Content	46.6%
RL status	2024/25



DOLPHIN Hybrid Oilseed Rape

- Impressive yields and a very high oil content
- Rapid early development
- Powerful Pods seed retention
- The highest rating for Verticillium wilt



Innovation for
your growth

dsv-uk.co.uk

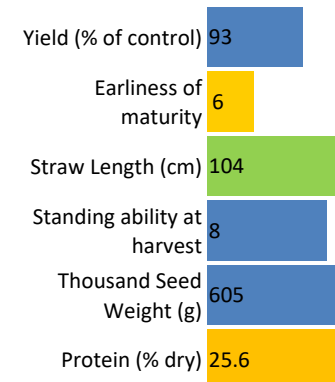
WINTER BEANS

TUNDRA

Despite being on the PGRO descriptive list since 2014, Tundra is still performing well on farm and can be suitable for export when quality is good enough.

Early to mature.

A short plant with good standing ability.

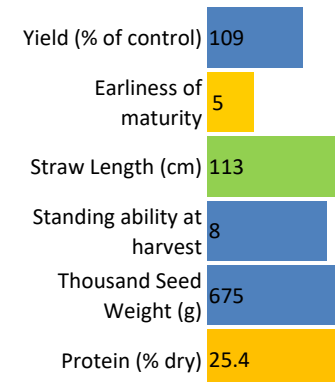


VESPA

Top of the PRGO Descriptive List 2024 for yield with 80% market share.

Slightly later to ripen than Tundra.

Suits both the feed and human consumption market with a good seed size.





VESPA

Winter Bean

The Winter Bean creating a real buzz!

With the highest yields on the PGRO Descriptive List,
excellent standing ability and large grain, market leader

Vespa is the perfect choice for your rotation and
the feed and export markets.

Winter beans – the perfect fit

Yield benefit for the following wheat crop

Low growing cost

Good break crop gross margin

Good opportunity to control grass weeds

Ready markets for feed and export use

Other Senova varieties:



Tel 01223 890777 • info@senova.uk.com

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SEED DRESSINGS

SINGLE PURPOSE



Beret Gold – Single purpose dressing for control of a range
of seed and soil borne diseases in wheat, barley, oats, rye and
triticale.

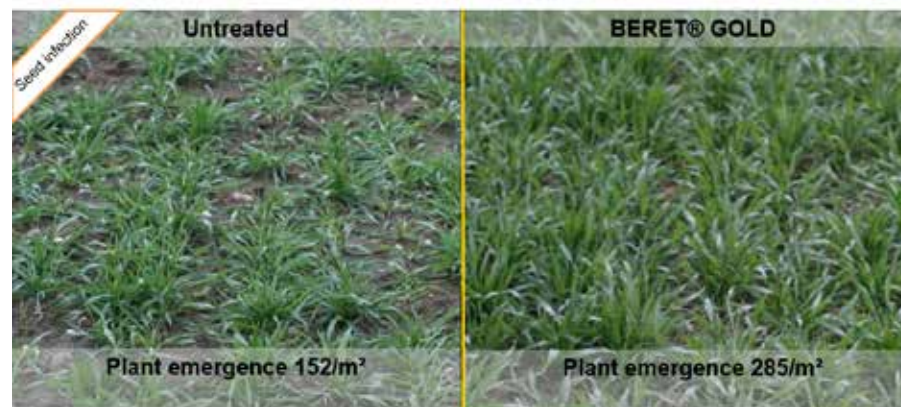
Active Ingredients: Fludioxonil

- Beret Gold is our single purpose dressing for all wheat seed.
- Single purpose treated seed protects from seed borne diseases, reduces the impact of soil-borne pathogens, enhances crop establishment and lays the foundations to maximise crop yield and quality.
- Fludioxonil protects against seedling blight, snow mould, fusarium, foot and root rot, rhizoctonia, Septoria nodorum, bunt, seed and soil-borne common bunt.



The value of a seed treatment

Provides protection from Fusarium infected seed



Source: Syngenta Trial 50% seed infection with F. graminearum





Raxil Star – winter barley is a specialist fungicide seed treatment for winter barley (must not be planted between 1 February and 31 August). It protects your crop from a broad spectrum of seed-borne diseases, helping to ensure excellent establishment and improve crop performance and quality. Raxil Star is the best single purpose dressing for winter barley.

- Controls seed-borne net blotch, loose smut, leaf stripe and covered smut
- Reduces Fusarium and microdochium seedling blight and stem-base browning
- Optimises establishment
- Allows retrieval of infected certified seed stocks

For more information on Raxil Star please see www.bayercropscience.co.uk



SPECIALIST DRESSINGS



Vibrance Duo – Winter wheat, winter barley, winter triticale, winter rye, spring barley, spring wheat and spring oats. Vibrance Duo is a fungicide SDHI-based (succinate dehydrogenase inhibitors) seed treatment for better establishment and rooting. Vibrance Duo offers an opportunity to give crops a vibrant start from outstanding control of key diseases, aiding rapid crop establishment with improved rooting.

Vibrance Duo has clear benefits for improving root growth, which combined with its excellent disease control, helps the crop achieve its full genetic potential.

Benefits include:

- Improved scavenging for soil moisture
- Improved uptake of nutrients
- More resilient plants – to stress, pests and diseases
- Maximised prospects for successful over-wintering
- Controls a broad spectrum of diseases that threaten crop establishment including Fusarium, Microdochium, Bunt, Loose Smut and Rhizoctonia
- Faster emergence
- SDHI sprays can still be applied – sedaxane forms a protective zone around the seed, root and stem base in the soil zone
- Low dust-off
- Compatible to be co-applied with Latitude

For further information, please see: www.syngenta.co.uk/vibrance-duo



Kinto Plus – Winter wheat, winter barley, rye, triticale, oats. Active substances: Xemium 33.3g/L, fludioxonil 33.3g/L and triticonazol 33.3g/L

Kinto Plus was a new from BASF product for Autumn 2022, it offers a unique combination of three complimentary active ingredients which gives outstanding control of all major seed and soil-borne diseases which threaten crop establishment and seed quality. Comprehensive and long lasting efficacy against all seed borne seed diseases. Enhanced rooting and germination ensures better crop establishment. Optimal protection against all weather conditions. Securing yield potential.

In our opinion, Kinto Plus on winter barley is worth considering to aid crop emergence and establishment.

For further information on Kinto Plus, please see: www.agrcentre.basf.co.uk

ESTABLISH A STRONG AND RESILIENT CROP WITH VIBRANCE® DUO THIS SEASON

PROVEN TO:

- ▶ IMPROVE ESTABLISHMENT
- ▶ INCREASE ROOTING
- ▶ PROTECT YIELD

Based on trials from 2018-2020

**VIBRANCE®
EFFECT**

VISIT OUR WEBSITE
TO SEE THE
VIBRANCE EFFECT®
www.syngenta.co.uk

**ROOTING
POWER™**



 **Vibrance® Duo** 

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VIBRANCE® Duo, ROOTING POWER™ and the SYNGENTA logo are Trademarks of a Syngenta Group Company. VIBRANCE® Duo (MAPP 17838) contains fludioxonil and sedaxane. Use plant protection products safely. Always read the label and product information before use. For further product information including warning phrases and symbols refer to www.syngenta.co.uk. May 2022. 12128.

SPECIALIST DRESSINGS



Latitude – winter wheat & barley

125 g / litre (11.83% w/w) of Siltthiofam. The only specialist take-all seed treatment:

- Maximises yield and quality wherever take-all is a problem
- Increases yield and quality of winter cereals
- Provides facility to drill second wheat earlier
- Improves nutrient and water uptake
- Reduces take all
- Must be co-applied with a single purpose treatment

www.monsanto-ag.co.uk



Signal 300 ES – Winter wheat and winter barley

Active Substances: 300 g/L cypermethrin

Signal 300 ES is an insecticide seed treatment, which by contact and ingestion, gives protection against wheat bulb fly and wireworm.

It is the only seed dressing available for the control of wheat bulb fly and wireworm after the loss of Austral Plus and provides a 'zone of protection' around the seed, improving crop establishment even under the most challenging of pest infestations. Signal 300 ES provides excellent coverage and distribution on the seed and is compatible with a range of fungicide seed treatments.

Nuello® iN | The right start

The breakthrough seed treatment
that infuses your crop with natural
nitrogen from the atmosphere.



DISCOVER MORE
syngenta.co.uk/biologicals/nuello-in



syngenta®
Biologicals

Please do not hesitate in contacting Mortimers to arrange a visit to your farm to discuss individual requirements / objectives. Using the best seed treatment available is a sound investment, especially on varieties with specific weaknesses.

NUTRITIONAL SEED DRESSINGS

Where do nutritional seed dressings help?

- Where soil or leaf analysis has shown deficiency
- High soil pH
- Soils with high organic matter/receive regular manure applications
- Sandy soils
- Cold/Wet soils

Early season nutrient roles within plants

- Phosphate - Key for root and shoot development.
- Manganese- Essential for chlorophyll synthesis and lignin production.
- Copper - Lignin synthesis and plant respiration.
- Zinc - responsible for the utilisation of auxins which regulate plant growth and helps with disease tolerance.

Manganese Trio - suitable for all cereals, pulses, oilseed rape and maize.



Treating seed with Manganese is the most effective way to eliminate cereals from early season deficiency to aid plant emergence and crop establishment. It also gives flexibility for foliar autumn applications when field conditions are challenging and travelling is an issue.

Manganese Trio Seed Treatment Analysis

- 10% Soluble Manganese (Mn)
- 16.3% Sulphur Trioxide
- 1.0% Copper (Cu)
- 0.5% Zinc (Zn)



Nuello iN

Nuello iN is a biological seed treatment containing a unique blend of nitrogen fixing endophyte bacteria that are proven to capture nitrogen directly from the atmosphere. It enhances crop biomass and root development for improved nutrient scavenging from the soil and has given excellent yield benefits, particularly on lighter land and in second wheat situations by complementing standard nitrogen applications as an additional source of N to ensure a constant supply throughout the crops life cycle.



Kick Off – suitable for all cereals, pulses, oilseed rape and maize.

Kick Off Seed Treatment Analysis

- 180g/l – Phosphate/Phosphite
- 80g/l – Manganese
- 16g/l – Zinc
- 20g/l – Nitrogen
- 40g/l – Potassium

Kick Off is a phosphate/phosphite based seed treatment which promotes both root and shoot development to aid plant emergence and establishment. Kick Off is suitable for all soil types and is particularly useful in later drilled situations and where seedbed conditions are challenging.

As well as seedbed conditions, soil pH has a big impact on nutrient availability. For example, the Yorkshire Wolds are renowned for their calcareous, chalky soils and naturally have a high soil pH. Subsequently, nutrients such as phosphate, manganese, copper and zinc are easily locked up from plant available forms, even if soil analysis results show adequate indices.

Applying these nutrients to your seed helps to eliminate early season deficiency, enhance plant emergence and build yield potential.



Zest - a phosphite based seed treatment for beans brought to market in 2021. Similar to Kick Off in cereals, it is a phosphite based dressing to aid early rooting. This product contains phosphite, potassium, sulphur, manganese, zinc, amino acids and molybdenum – an important nutrient for successful pollination.

SEED DRESSINGS

KICK-OFF
PLUS

UNLEASH YOUR
SEED'S FULL SPEED

Kick-Off Plus seed treatment for
an impressive yield conversion

Independent trials
(‘21-’23) demonstrated
yield increases of +6%

**Boosts root biomass and
stress tolerance for a
healthier plant saving
input costs**

**For every £1 spent on
Kick-Off the farmer
receives £11**
(*based on Nov ’23 prices)

**8 key nutrients
including phosphites
+ manganese + zinc +
19 amino acids**

Fielder

Speak to your seed rep for more details or
call us on +447912 868389 or visit us at fieldernutrition.com

102 Mortimers Autumn Seed Brochure 2024

FERTILISERS

To support your growing crops we sell a full range of fertilisers including:

- Nitrogen and Compounds
- Urea Blends
- NPK Blends
- Straights
- Liquids



USEFUL CONTACTS

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Jim Wraith	07739 556345
Georgina Beevers	07807 015729
Tom Batten	07586 679326
Lucy Rowley	07932 646284

Mortimers

13 Pexton Road, Kelleythorpe Industrial Estate, Driffield, East Yorkshire YO25 9FR
01377 253314 www.jamesmortimer.co.uk



AGRICULTURAL Laboratory Services



Official DEFRA & Advisory Seed Analysis

- Seed Identification
- Germination – full grow on or rapid tetrazolium viability
- Vigour testing
- Purity
- Thousand grain weight
- Screenings
- Stem Nematode

INDEPENDENT SEED & GRAIN ANALYSIS

Official DEFRA licensed
seed testing station

Tel: 01377 808 105

Unit 13, Pexton Road, Kelleythorpe
Industrial Estate, Drifffield YO25 9FR

Disease Analysis

- Fusarium
- Loose Smut
- Bunt
- Leaf Stripe
- Ascochyta
- Pea Bacterial Blight

Grain Analysis

- Moisture
- Protein
- Hagberg
- Gluten
- Admixture
- Natural Weight
- Oil content
- Nitrogen
- Infestation
- Analysis of borage, Crambe and other oilseeds

Mycotoxin Analysis

- Don, Zon and Ochratoxin tests

www.agriculturallaboratoryservices.co.uk